

FIG.1

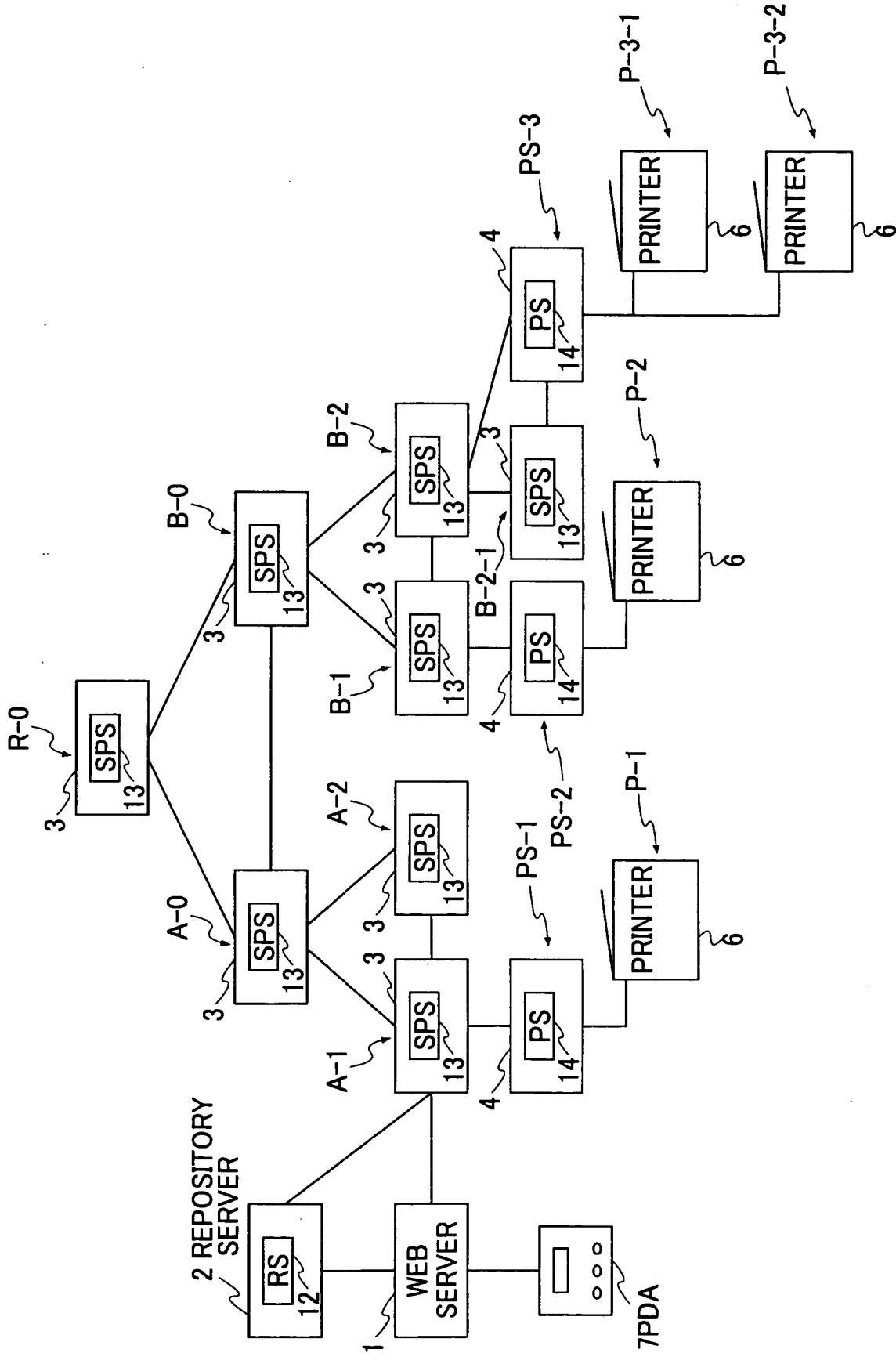


FIG.2

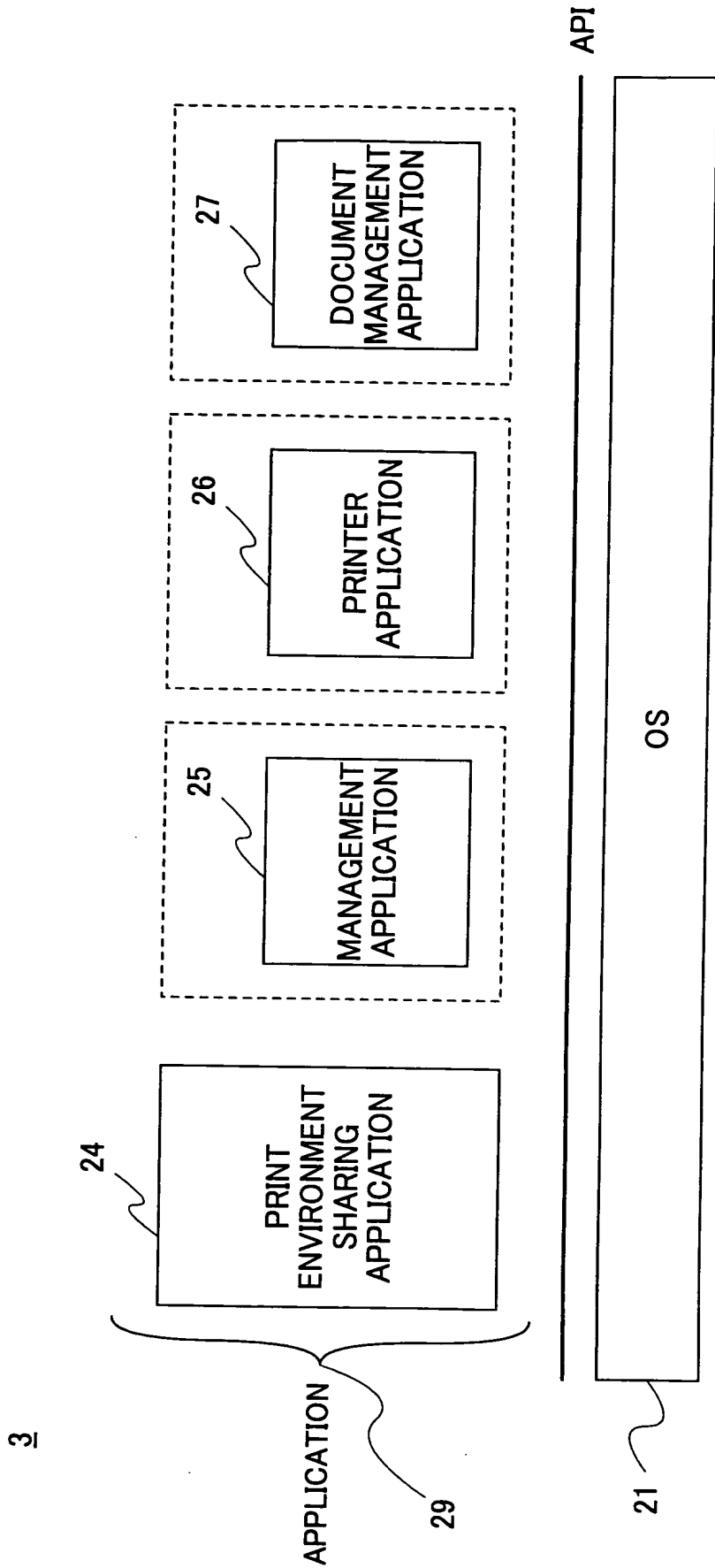


FIG.3

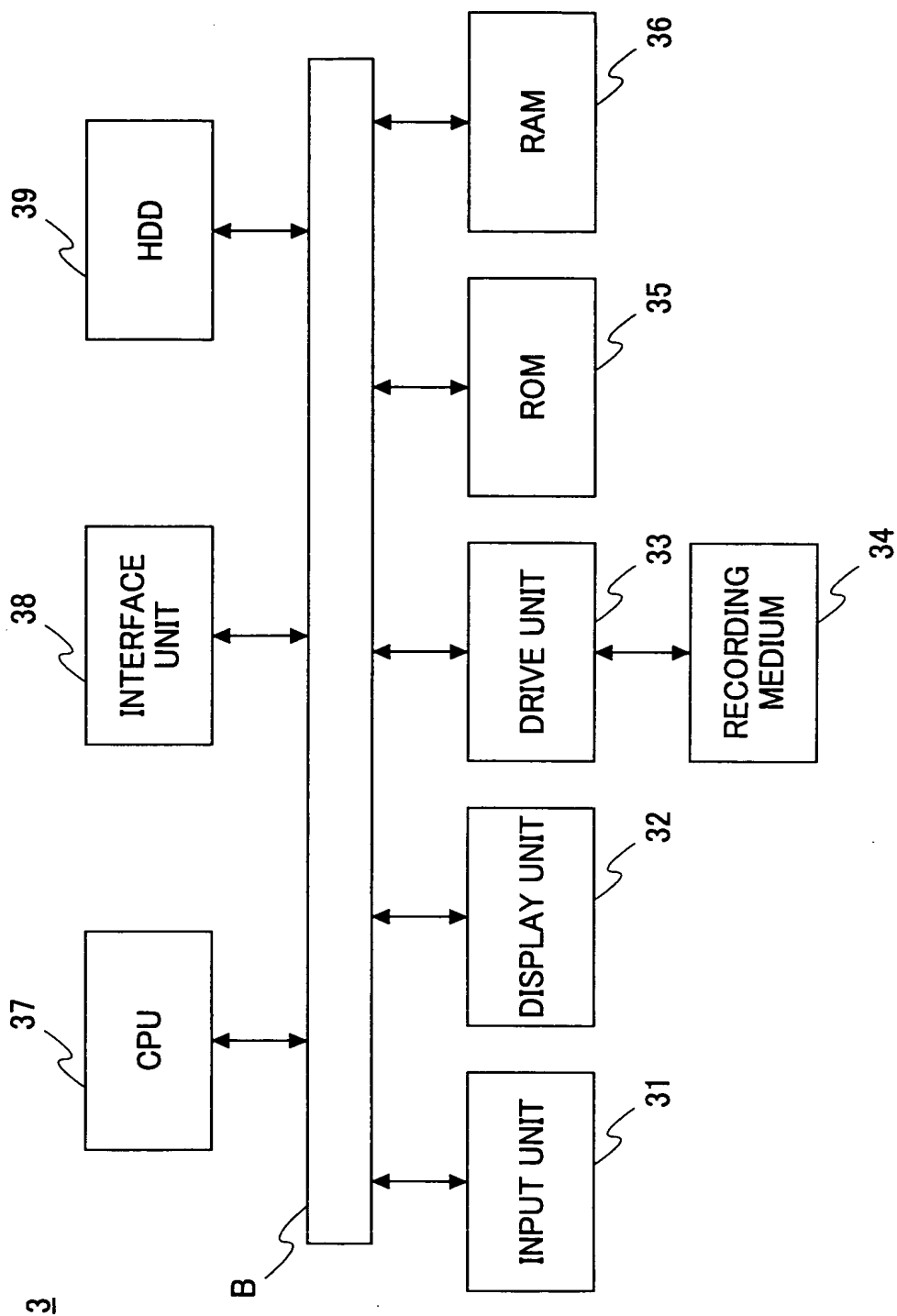


FIG.4

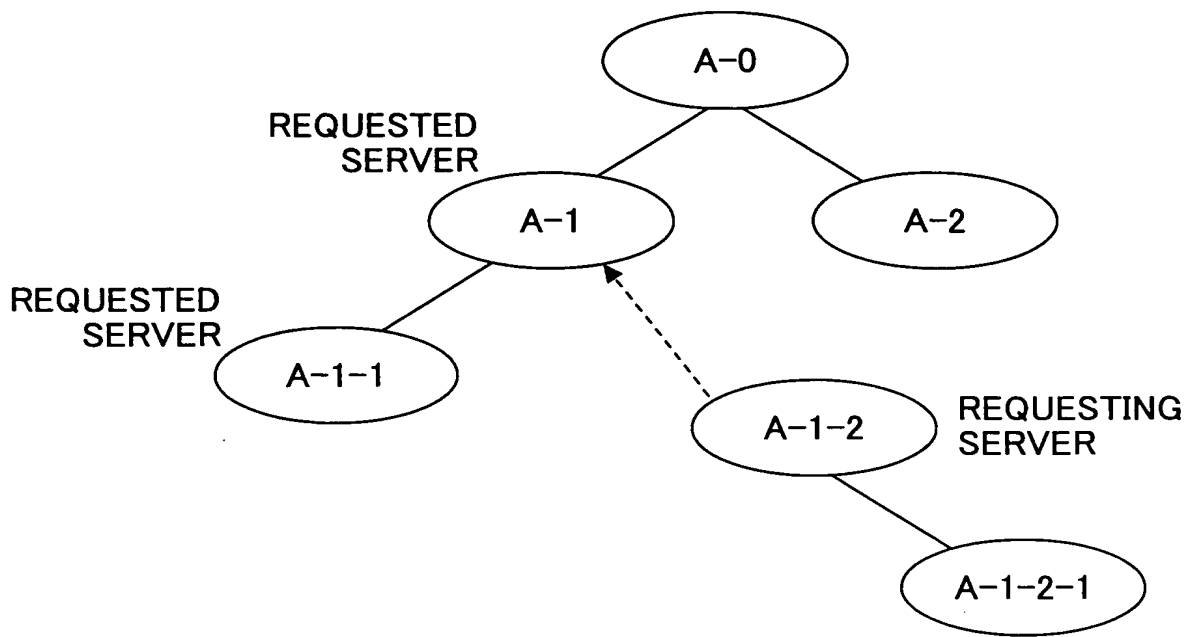


FIG.5A

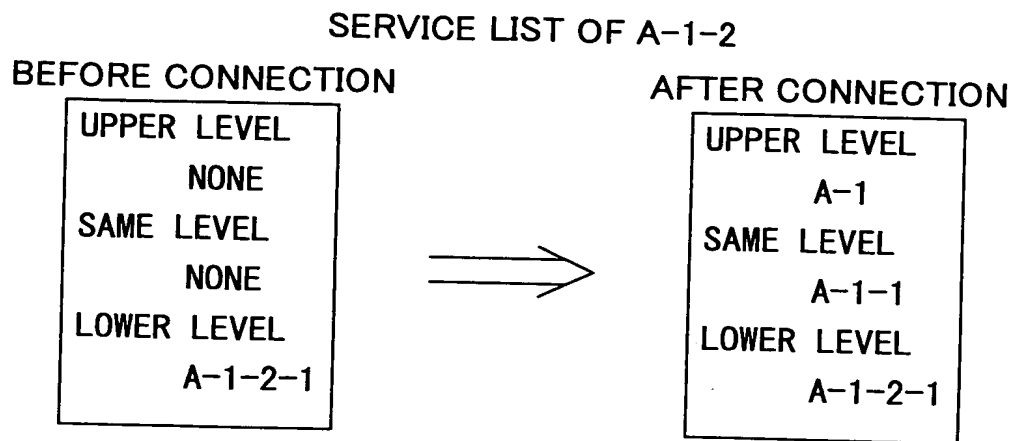


FIG.5B

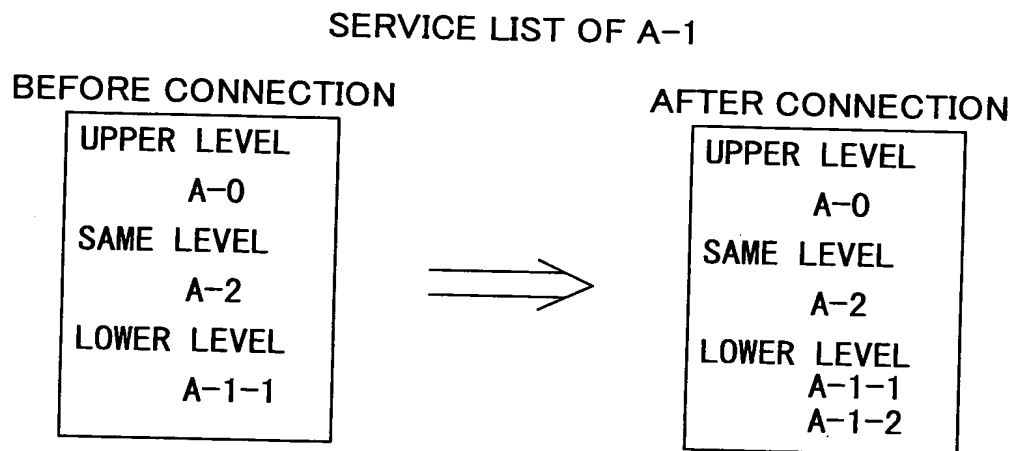


FIG.5C

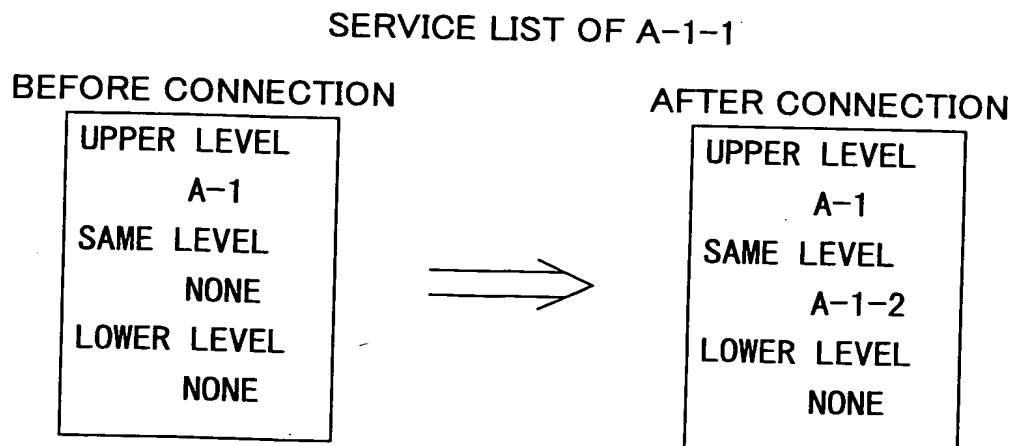


FIG.6

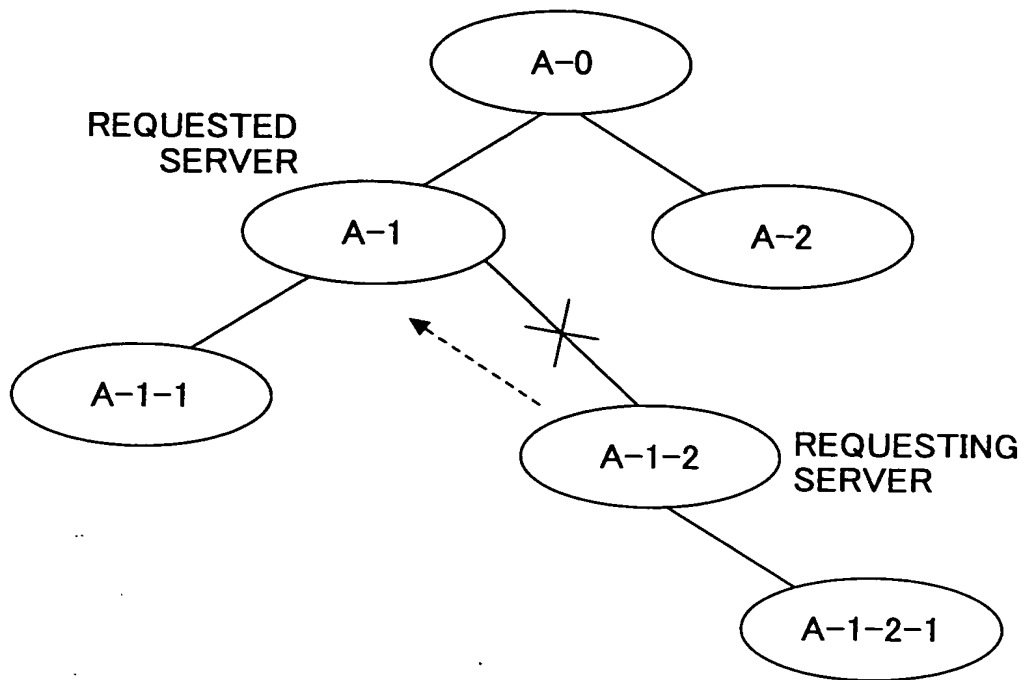


FIG.7A

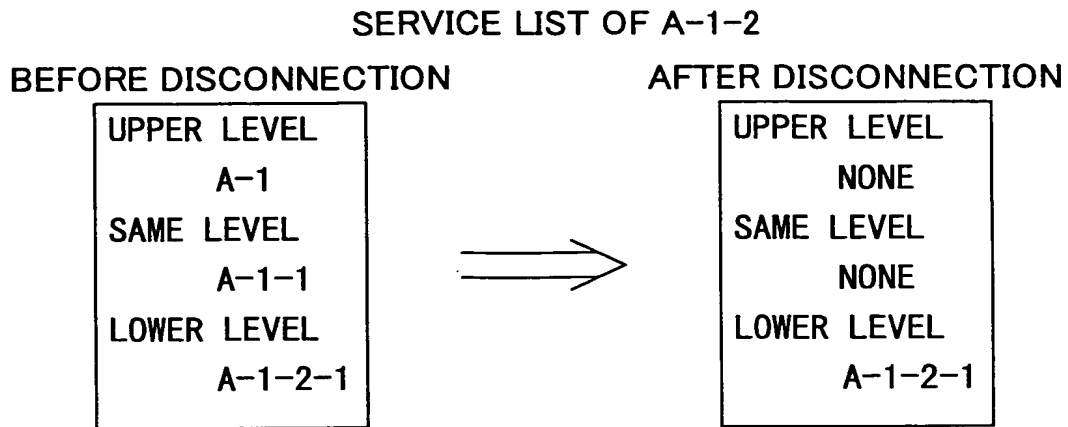


FIG.7B

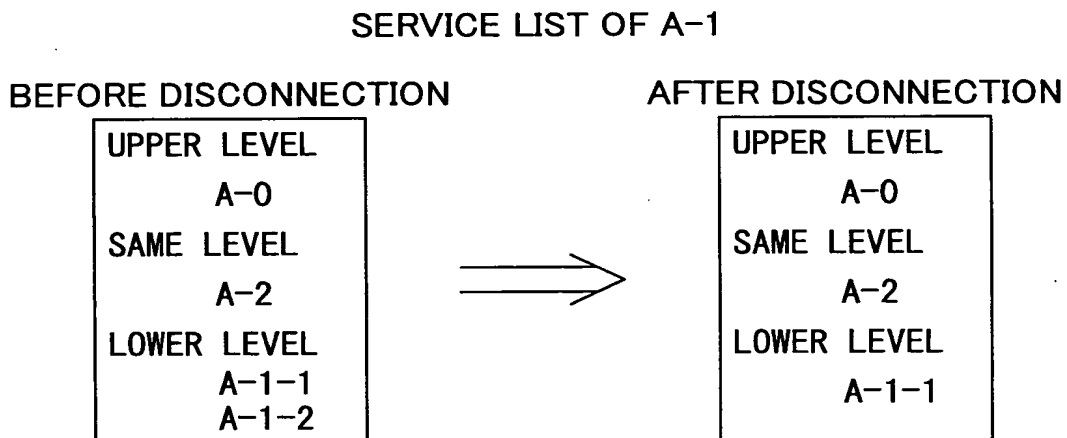


FIG.7C

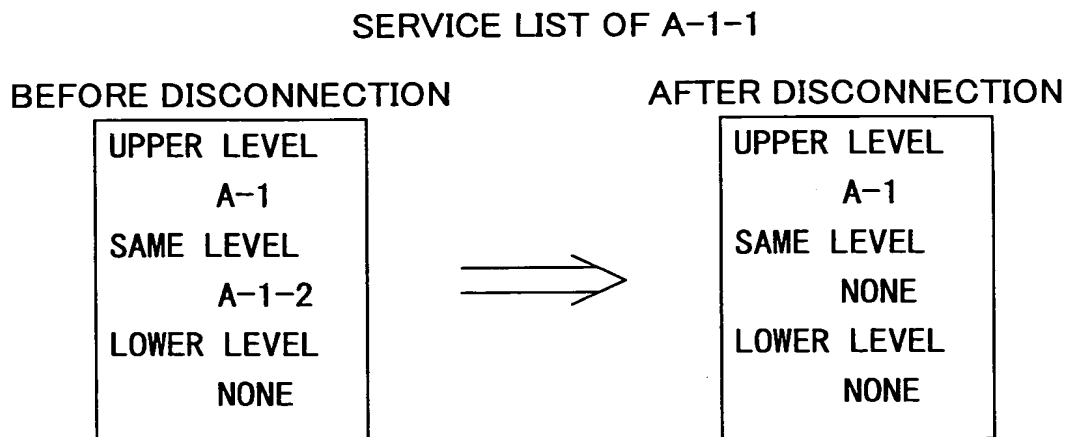


FIG.8

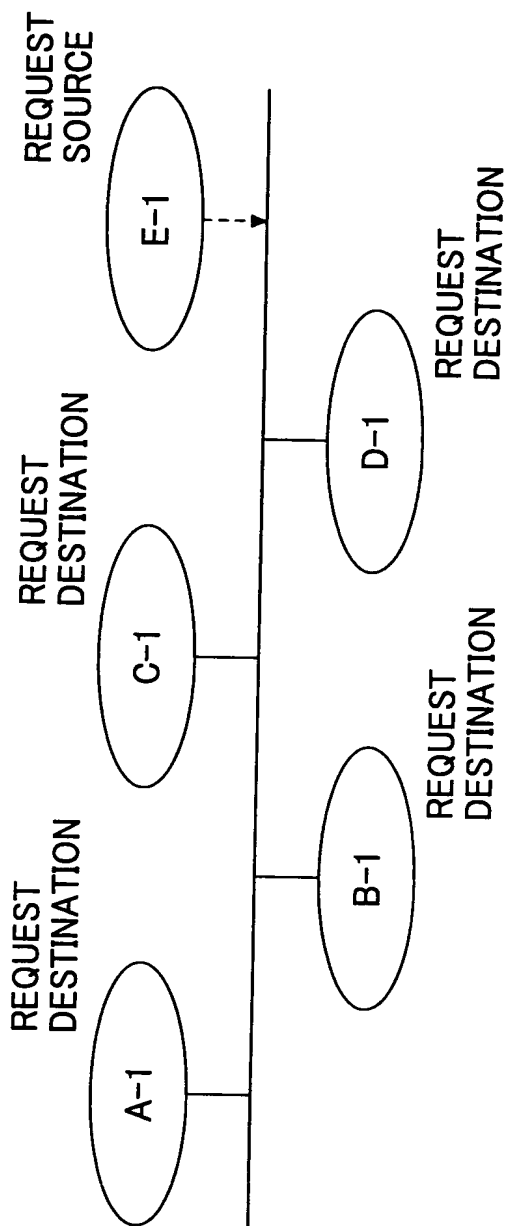


FIG.9A

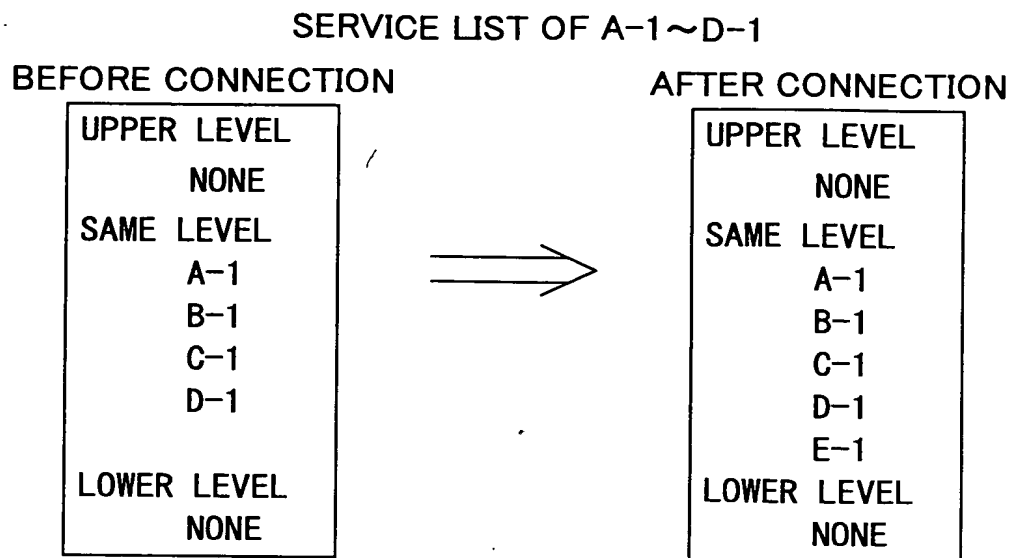


FIG.9B

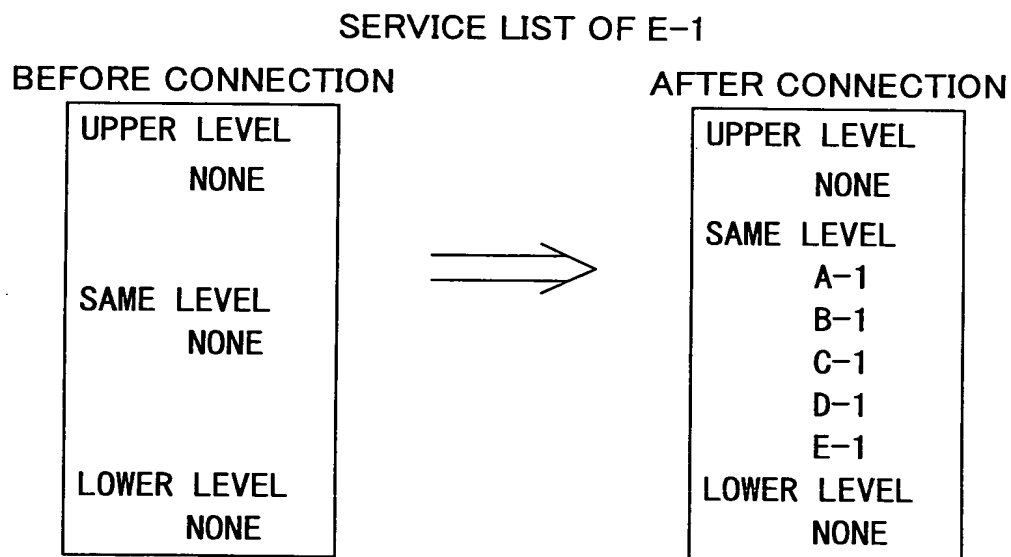


FIG.10

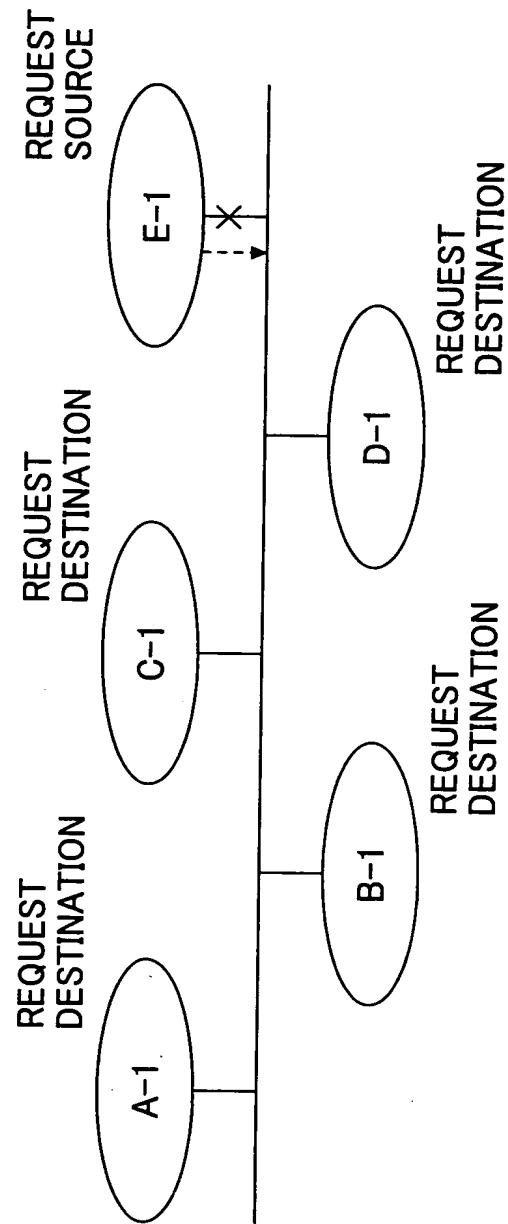
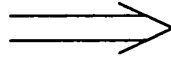


FIG.11A

SERVICE LIST OF A-1~D-1

BEFORE DISCONNECTION

UPPER LEVEL
NONE
SAME LEVEL
A-1
B-1
C-1
D-1
E-1
LOWER LEVEL
NONE



AFTER DISCONNECTION

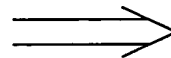
UPPER LEVEL
NONE
SAME LEVEL
A-1
B-1
C-1
D-1
LOWER LEVEL
NONE

FIG.11B

SERVICE LIST OF E-1

BEFORE DISCONNECTION

UPPER LEVEL
NONE
SAME LEVEL
A-1
B-1
C-1
D-1
E-1
LOWER LEVEL
NONE



AFTER DISCONNECTION

UPPER LEVEL
NONE
SAME LEVEL
NONE
LOWER LEVEL
NONE

FIG.12

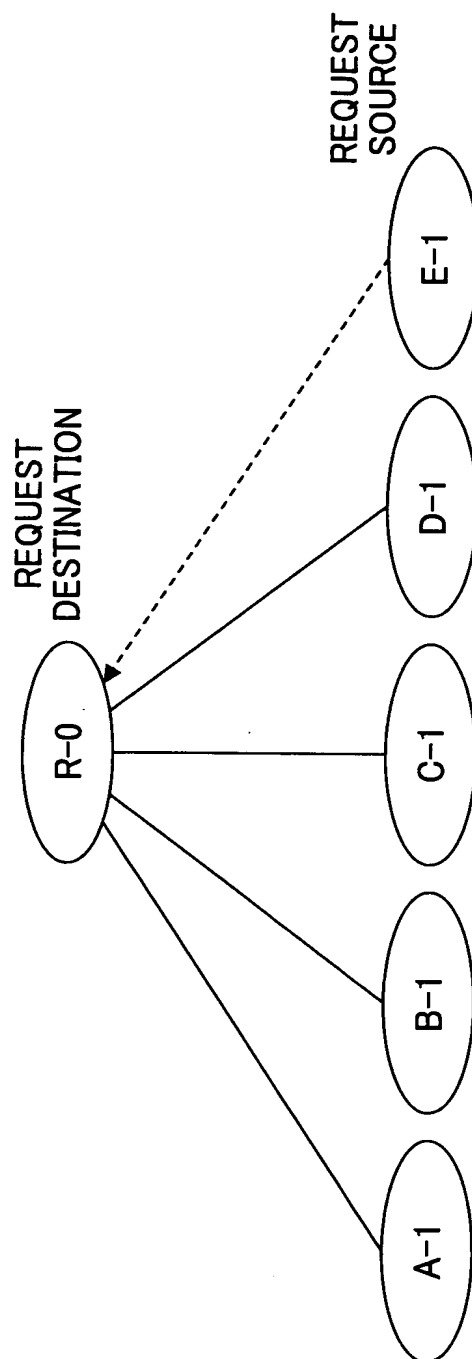


FIG.13A

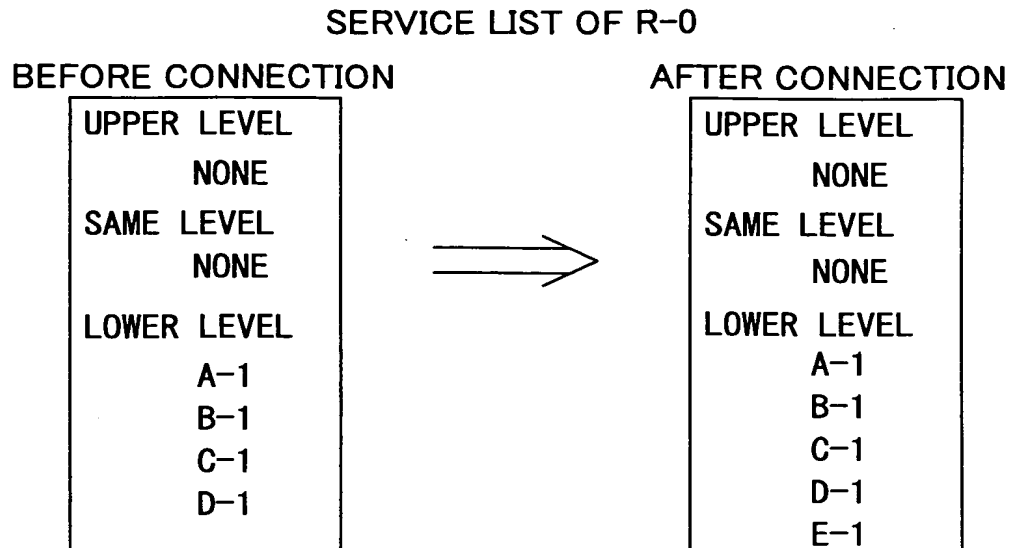


FIG.13B

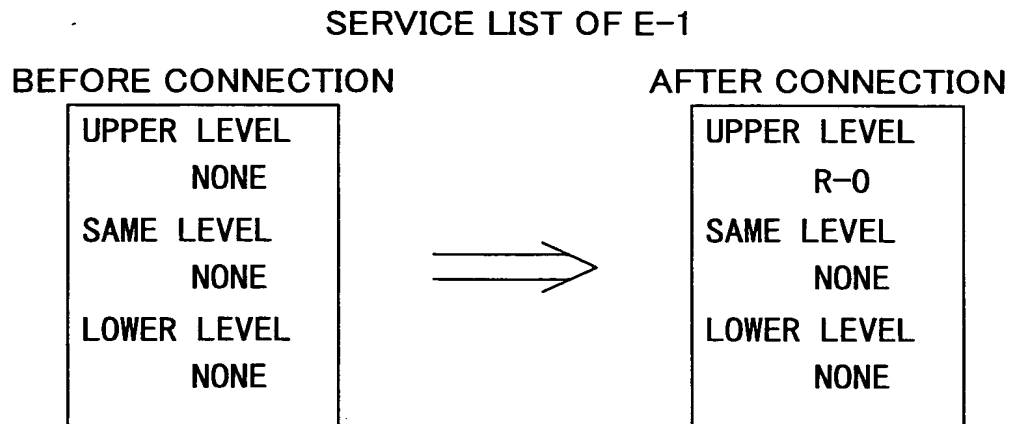


FIG.14

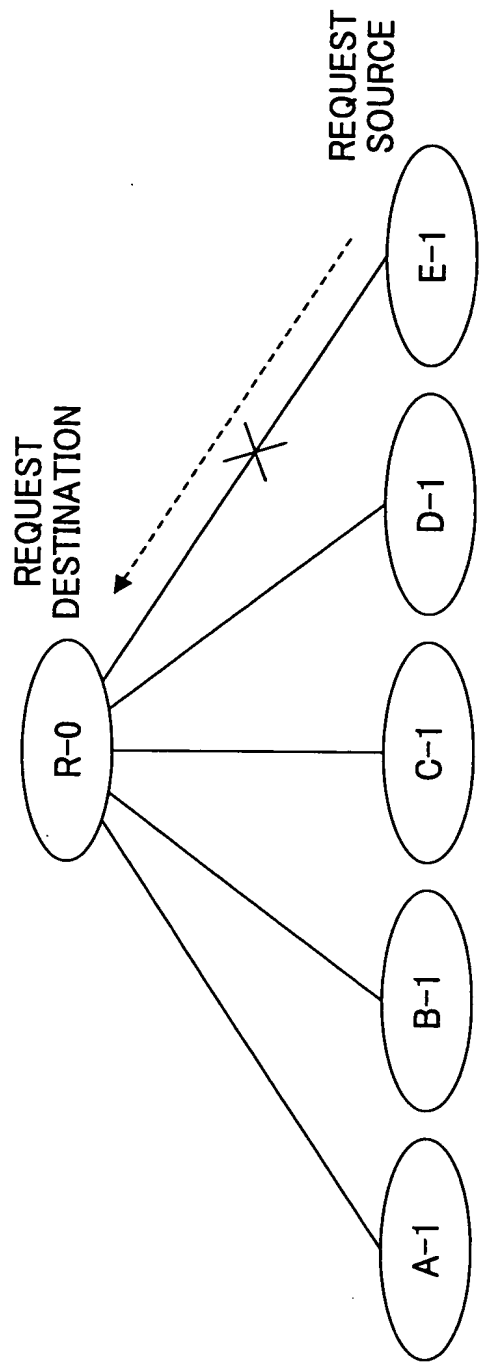


FIG.15A

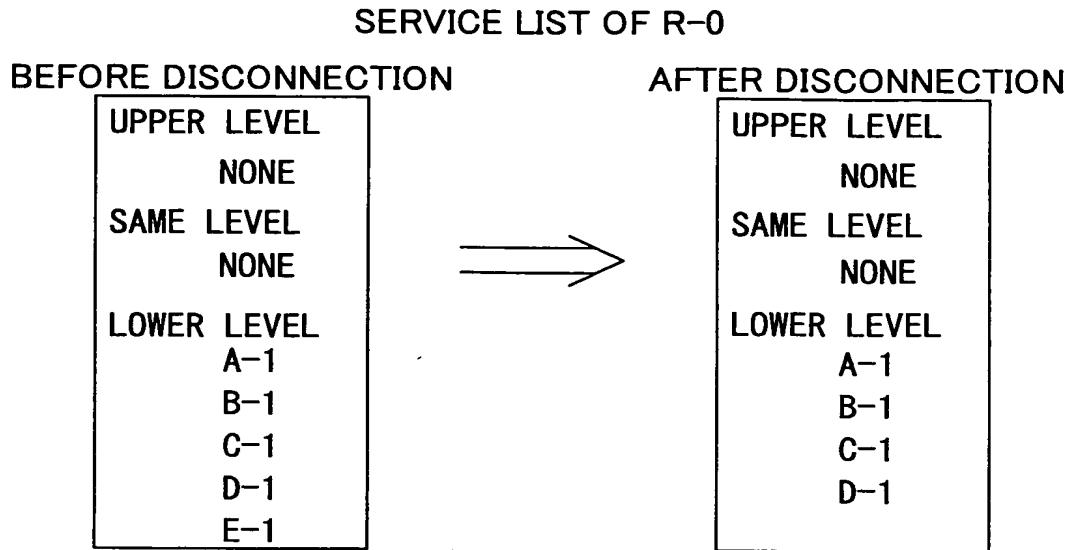


FIG.15B

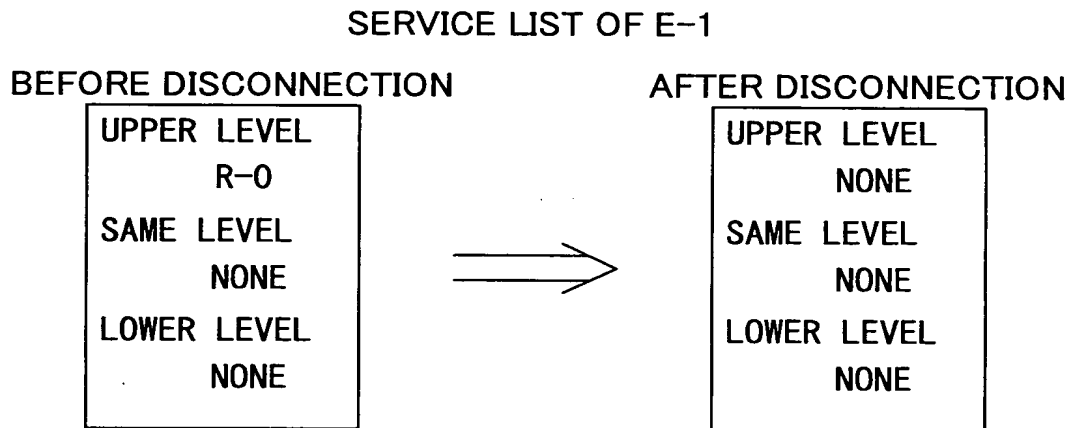


FIG.16

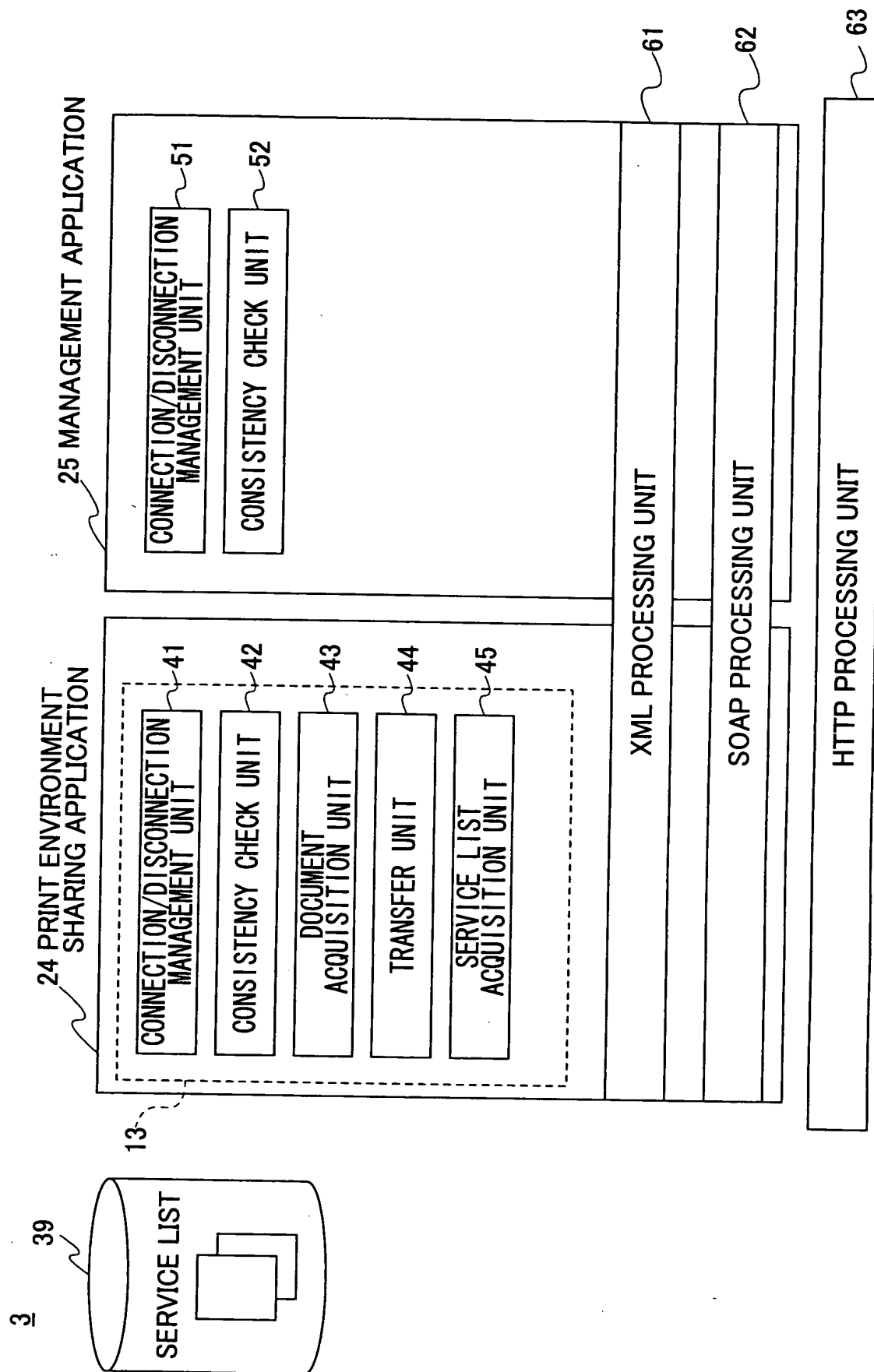


FIG.17

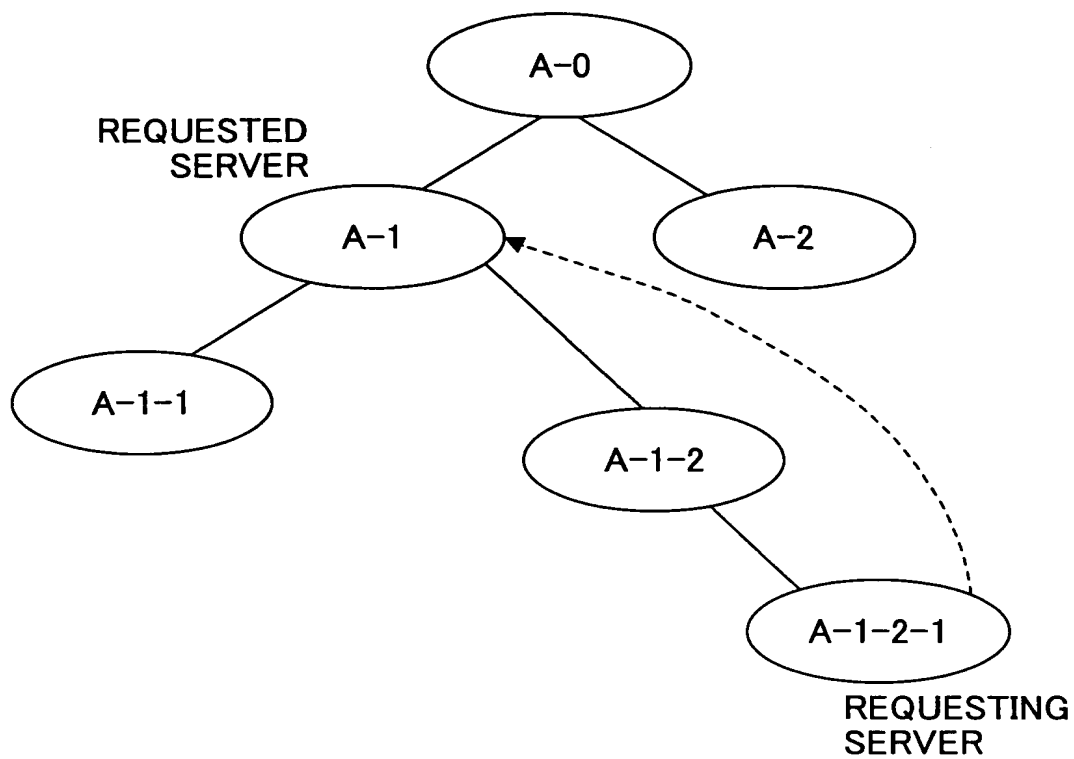


FIG. 18

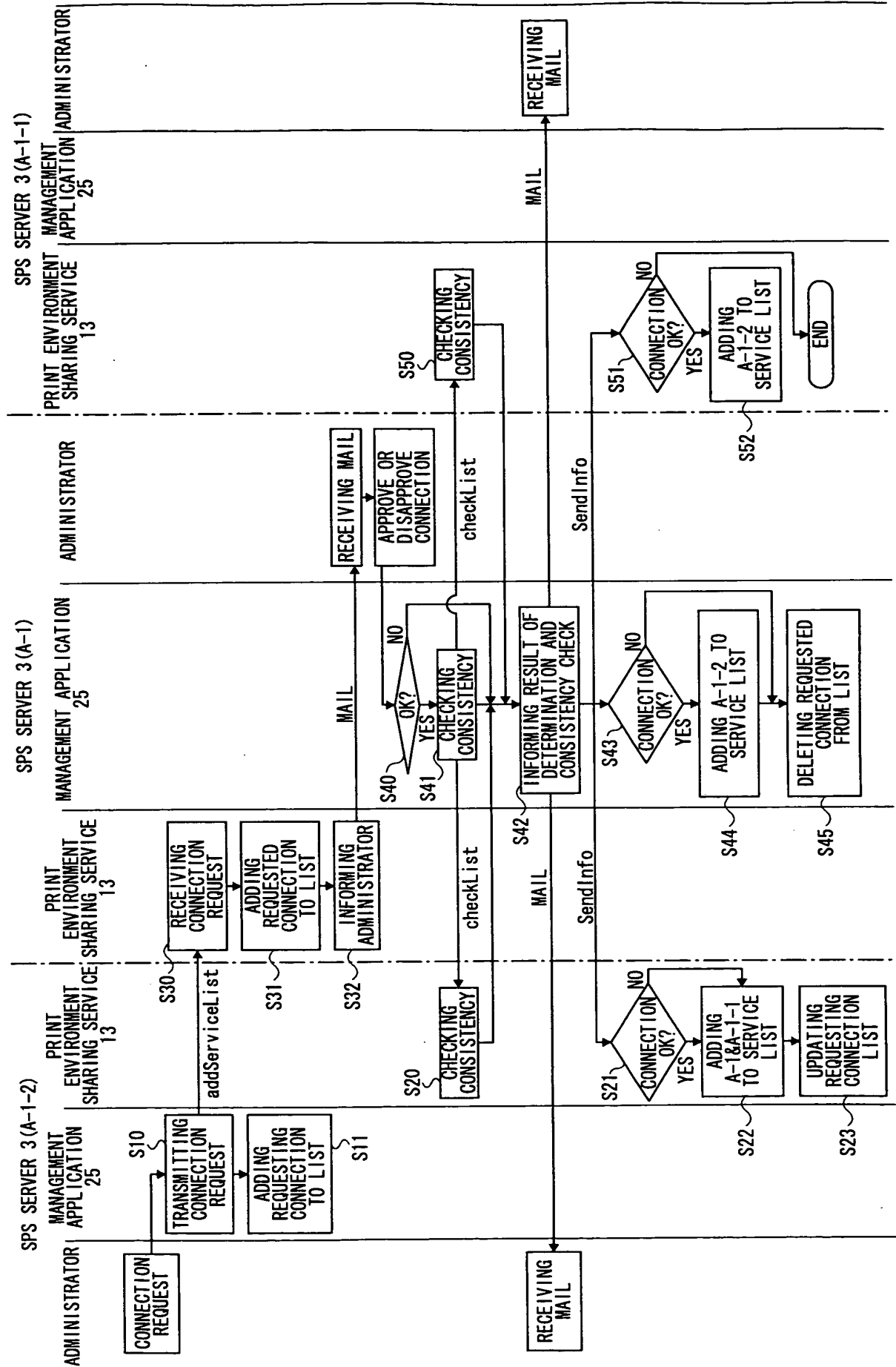


FIG.19

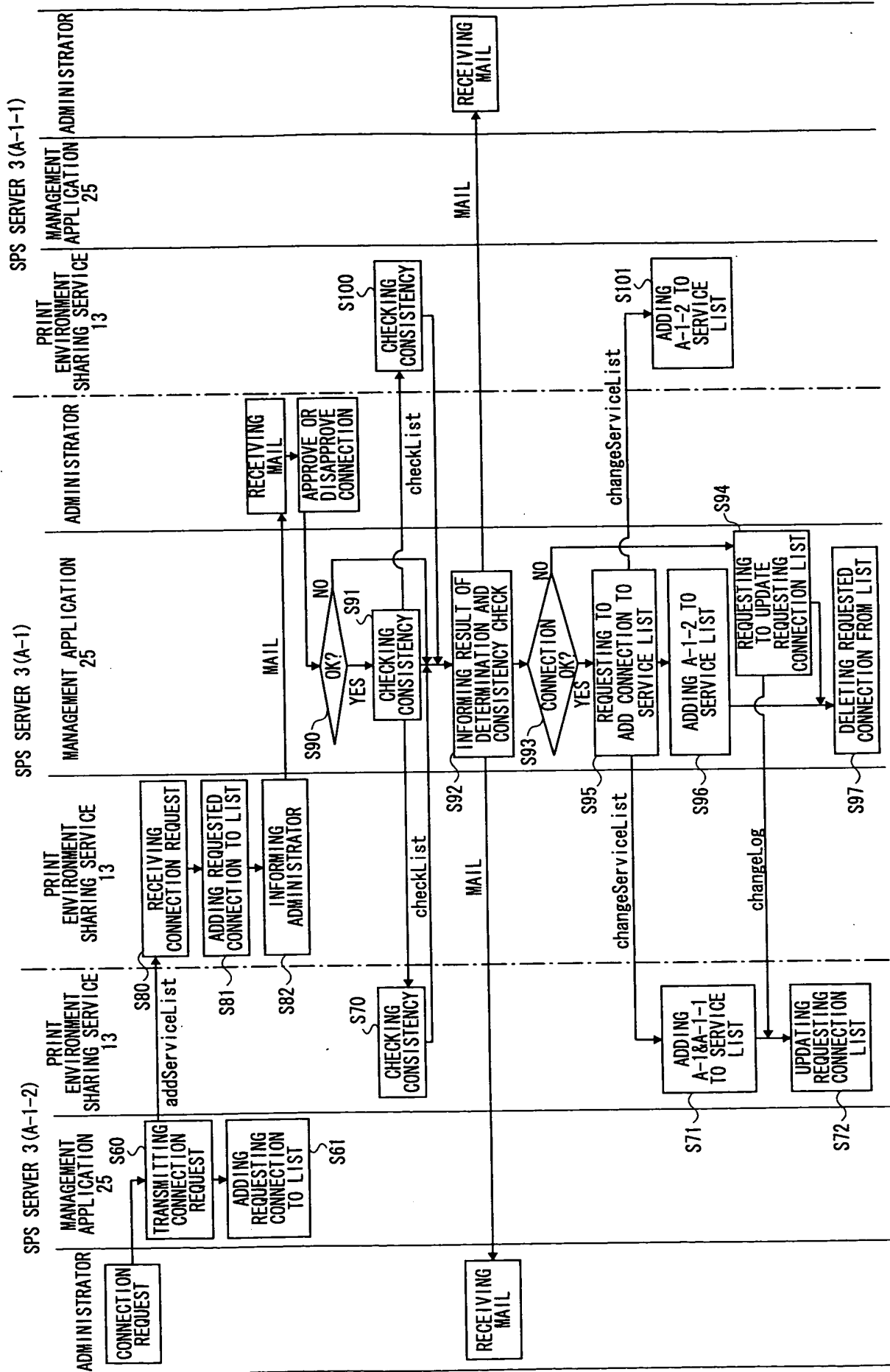


FIG.20

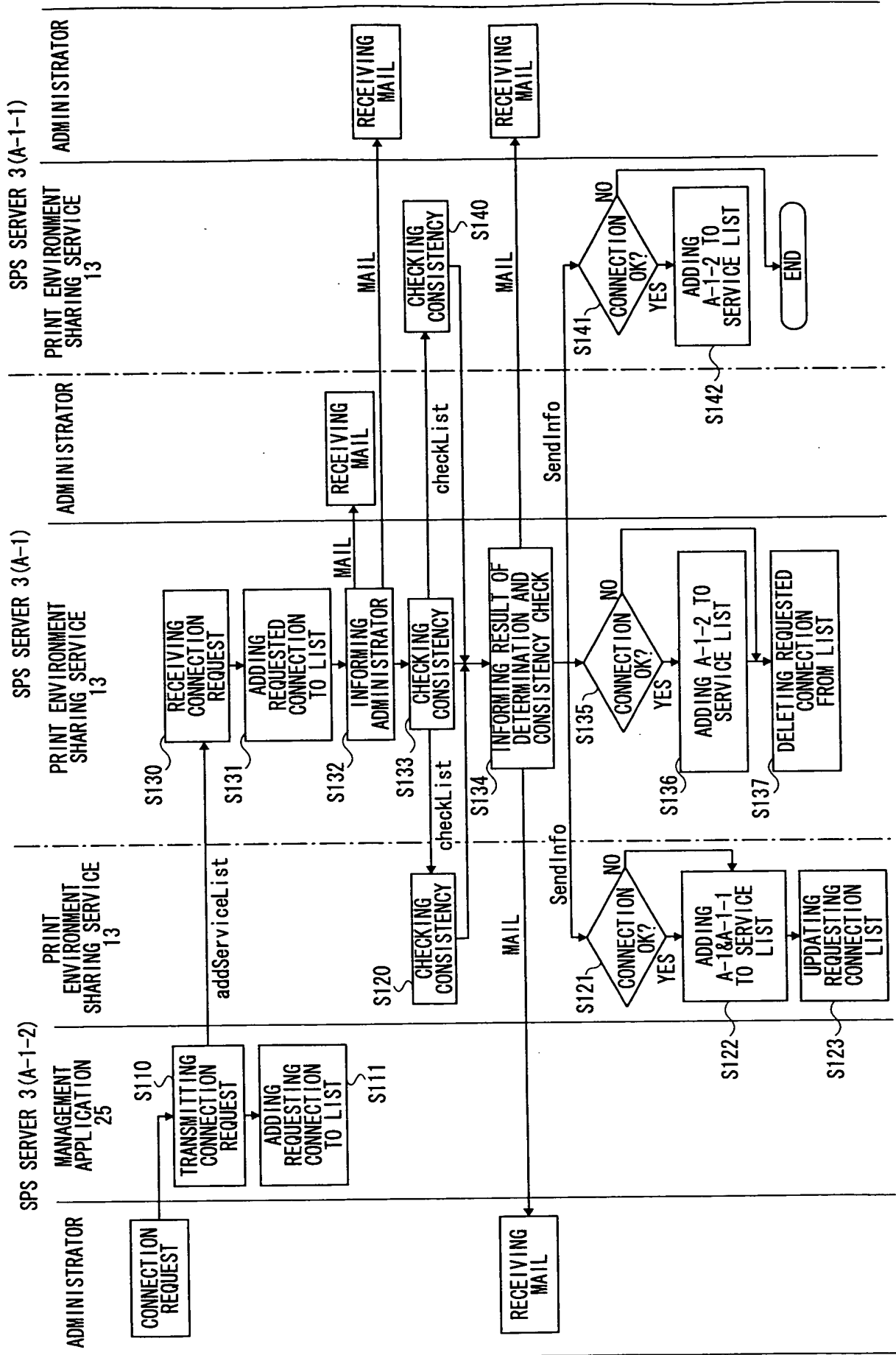


FIG.21A

<adminName> ADMINISTRATOR NAME </adminName>
<adminContact> ADMINISTRATOR CONTACT </adminContact>
<adminMailAddress> ADMINISTRATOR MAIL ADDRESS </adminMailAddress>
<serverName> DESTINATION SERVER NAME </serverName>
<serviceName> SERVICE NAME </serviceName>
<serviceURI> SERVICE URI </serviceURI>
<operationMode> OPERATION MODE </operationMode>
<level> LEVEL </level>
<time> REQUEST DATE / TIME </time>
<comment> COMMENT </comment>

FIG.21B

<time> RECEIPT DATA / TIME </time>

FIG.22A

```
<serviceList level="upper">
  <serviceName> SERVICE NAME </serviceName>
  <serviceURI> SERVICE URI </serviceURI>
  <level> LEVEL </level>
  <locationInfo>
    <latitude> LATITUDE </latitude>
    <longitude> LONGITUDE </longitude>
    <altitude> ALTITUDE </altitude>
    <datum> DATUM </datum>
    <unit> UNIT </unit>
    <address> ADDRESS </address>
    <locationName> LOCATION NAME </locationName>
    <trafficGuide> TRAFFIC GUIDE </trafficGuide>
    <landMark> LANDMARK </landMark>
  </locationInfo>
  <keyword> KEYWORD </keyword>
</serviceList>
<serviceList level="same">
  <serviceName> SERVICE NAME </serviceName>
  :
  :
  <keyword> SEARCH KEYWORD </keyword>
</serviceList>
```

FIG.22B

```
<time> RECEIPT DATE / TIME </time>
```

FIG.23A

```
<decisionResult> REQUESTED SERVER DECISION RESULT </decisionResult>
<checkResult>
  <server type="requested"> REQUESTED SERVER CONSISTENCY CHECK RESULT </serverDemand>
  <server type="requesting"> REQUESTING SERVER CONSISTENCY CHECK RESULT </serverDemand>
  <server type="other"> OTHER SERVER CONSISTENCY CHECK RESULT </serverDemand>
</checkResult>
<adminName> ADMINISTRATOR NAME </adminName>
<adminContact> ADMINISTRATOR CONTACT </adminContact>
<adminMailAddress> ADMINISTRATOR MAIL ADDRESS </adminMailAddress>
<serverName> REQUESTED SERVER NAME </serverName>
<serviceName> SERVICE NAME </serviceName>
<serviceURI> SERVICE URI </serviceURI>
<operationMode> OPERATION MODE </operationMode>
<level> LEVEL </level>
<time> TRANSMISSION DATE / TIME </time>
<comment> COMMENT </comment>
<serviceList level="requested">
  <serviceName> SERVICE NAME </serviceName>
  <serviceURI> SERVICE URI </serviceURI>
  <level> LEVEL </level>
  <locationInfo>
    <latitude> LATITUDE </latitude>
    <longitude> LONGITUDE </longitude>
    <altitude> ALTITUDE </altitude>
    <datum> DATUM </datum>
    <unit> UNIT </unit>
    <address> ADDRESS </address>
    <locationName> LOCATION NAME </locationName>
    <trafficGuide> TRAFFIC GUIDE </trafficGuide>
    <landMark> LANDMARK </landMark>
  </locationInfo>
  <keyword> SEARCH KEYWORD </keyword>
</serviceList>
<serviceList level="requesting">
  <serviceName> SERVICE NAME </serviceName>
  :
  :
  <keyword> SEARCH KEYWORD </keyword>
</serviceList>
<serviceList level="other">
  <serviceName> SERVICE NAME </serviceName>
  :
  :
  <keyword> SEARCH KEYWORD </keyword>
</serviceList>
```

FIG.23B

<time> RECEIPT DATE / TIME </time>

FIG.24A

```
<serviceList level="upper">
  <serviceName> SERVICE NAME </serviceName>
  <serviceURI> SERVICE URI </serviceURI>
  <level> LEVEL </level>
  <locationInfo>
    <latitude> LATITUDE </latitude>
    <longitude> LONGITUDE </longitude>
    <altitude> ALTITUDE </altitude>
    <datum> DATUM </datum>
    <unit> UNIT
  </unit>
  <address> ADDRESS </address>
  <locationName> LOCATION NAME </locationName>
  <trafficGuide> TRAFFIC GUIDE </trafficGuide>
  <landMark> LANDMARK </landMark>
</locationInfo>
  <keyword> SEARCH KEYWORD </keyword>
</serviceList>
<serviceList level="same">
  <serviceName> SERVICE NAME </serviceName>
  :
  :
  <keyword> SEARCH KEYWORD </keyword>
</serviceList>
```

FIG.24B

```
<time> RECEIPT DATE / TIME </time>
```


FIG.25A

```
<decisionResult> REQUESTED SERVER DECISION RESULT </decisionResult>
<checkResult>
  <serverDemand serverType="requested"> REQUESTED SERVER CONSISTENCY CHECK RESULT </serverDemand>
  <serverDemand serverType="requesting"> REQUESTING SERVER CONSISTENCY CHECK RESULT </serverDemand>
  <serverDemand serverType="other"> OTHER SERVER CONSISTENCY CHECK RESULT </serverDemand>
</checkResult>
<adminName> ADMINISTRATOR NAME </adminName>
<adminContact> ADMINISTRATOR CONTACT </adminContact>
<adminMailAddress> ADMINISTRATOR MAIL ADDRESS </adminMailAddress>
<serverName> REQUESTED SERVER NAME </serverName>
<serviceName> SERVICE NAME </serviceName>
<serviceURI> SERVICE URI </serviceURI>
<operationMode> OPERATION MODE </operationMode>
<level> LEVEL </level>
<time> TRANSMISSION DATE / TIME </time>
<comment> COMMENT </comment>
```

FIG.25B

<time> RECEIPT DATE / TIME </time>

FIG.26A

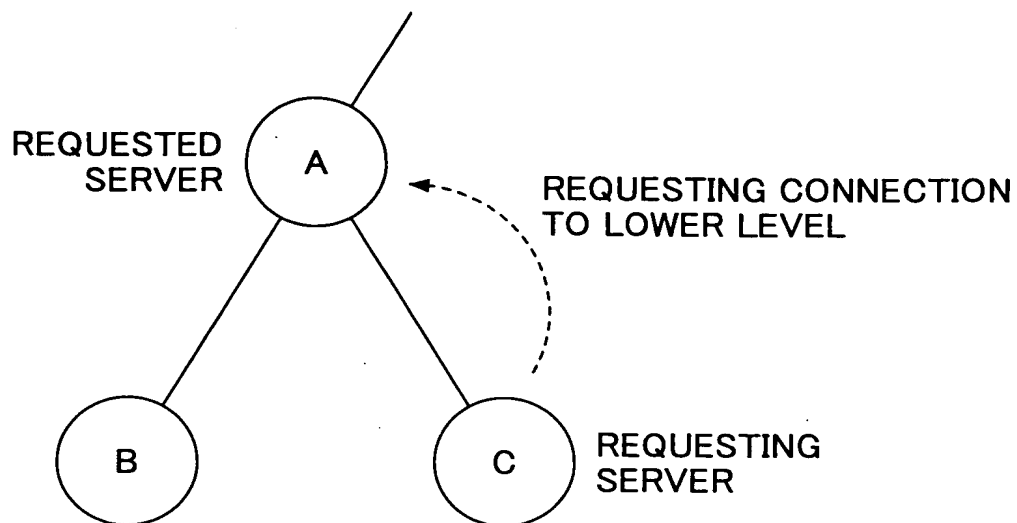


FIG.26B

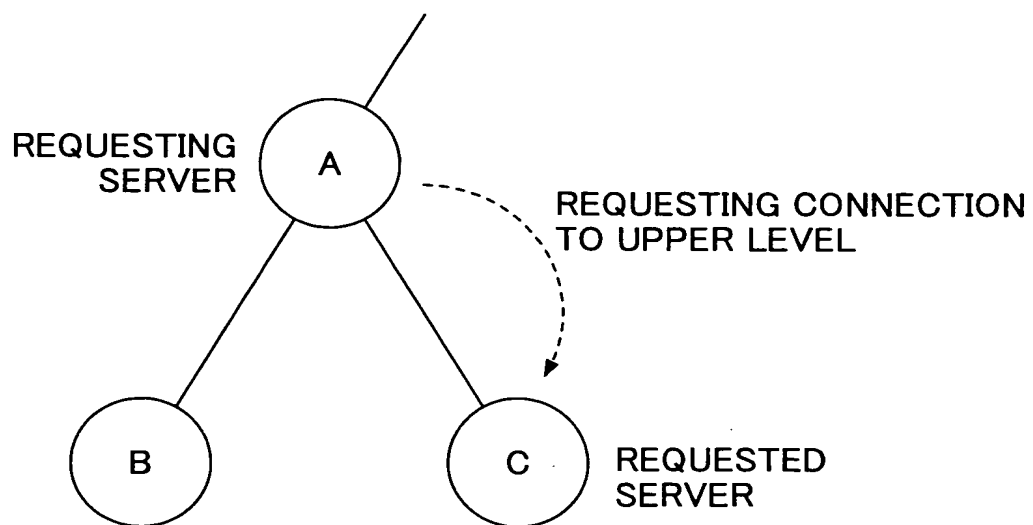


FIG.27A

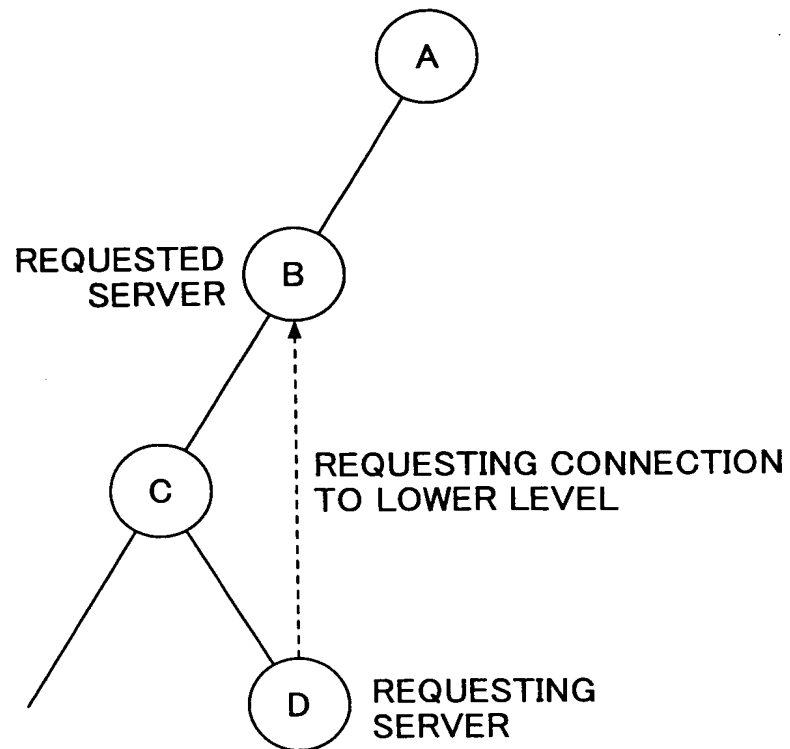


FIG.27B

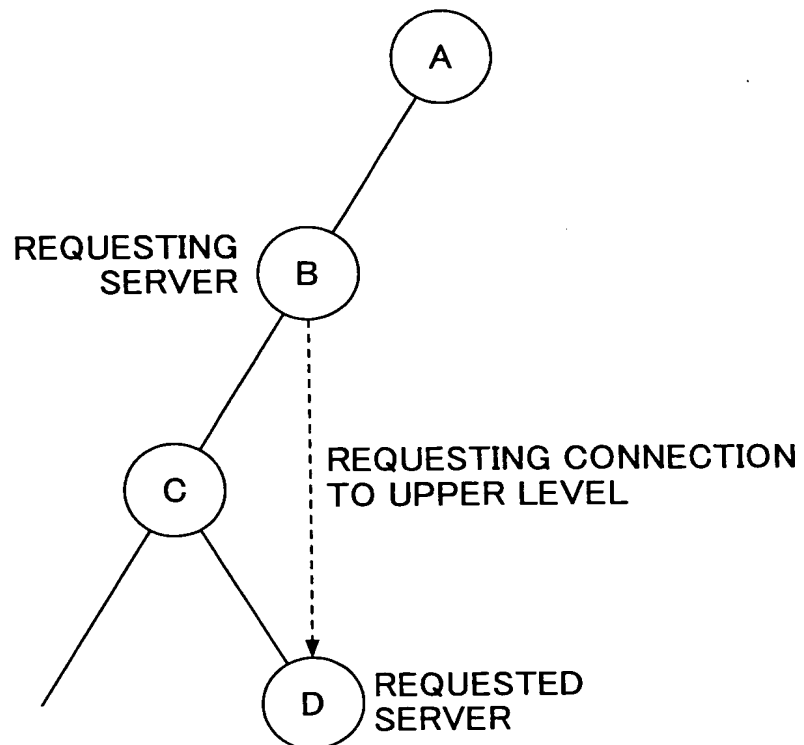


FIG.28A

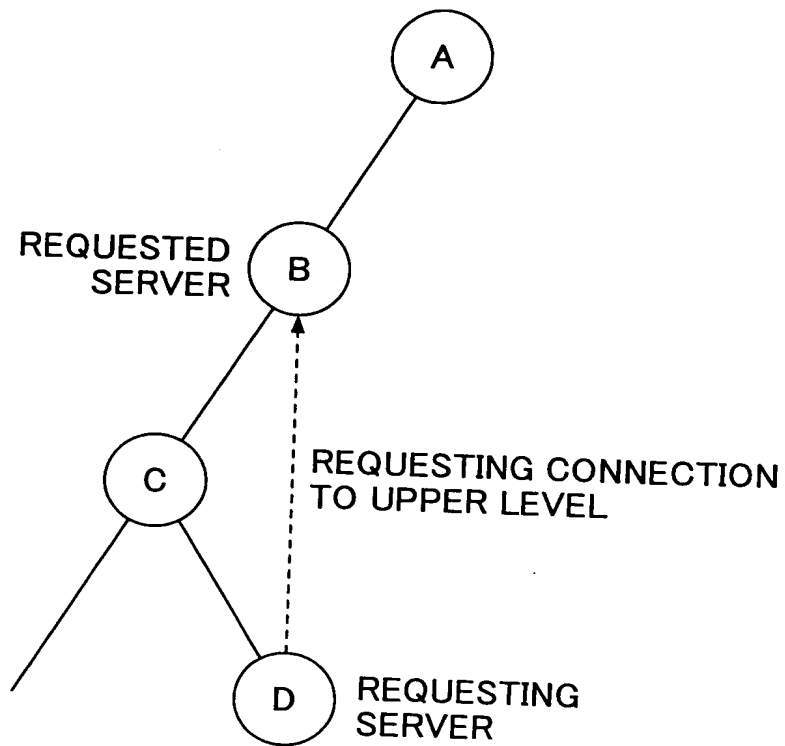


FIG.28B

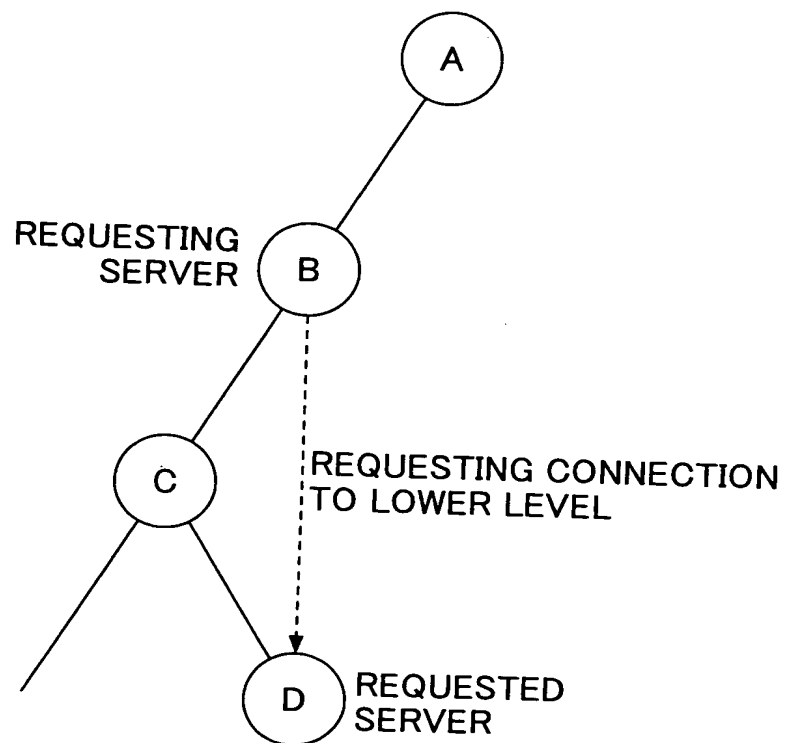


FIG.29A

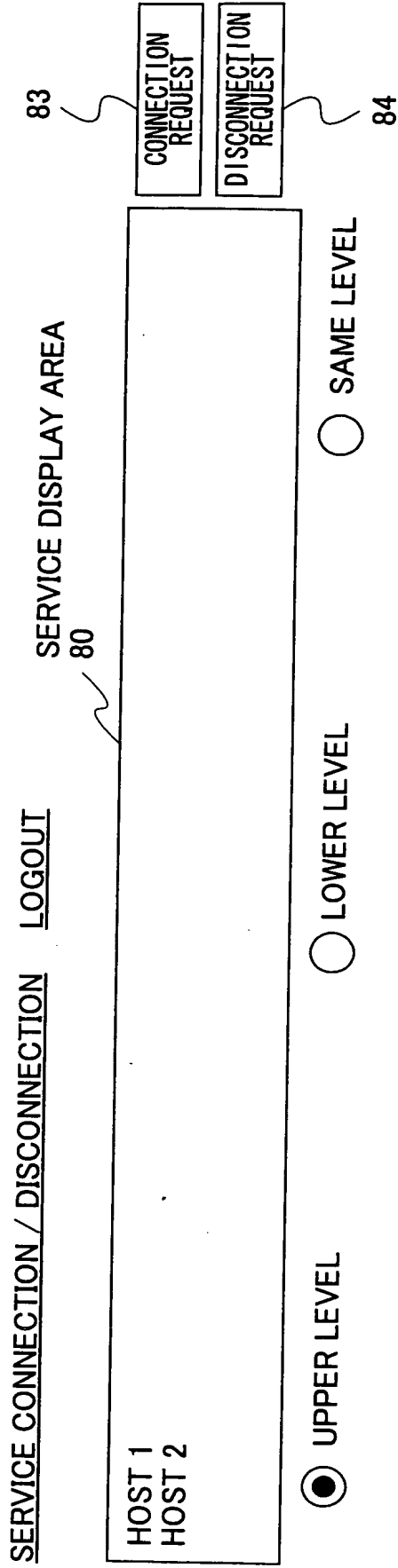


FIG.29B

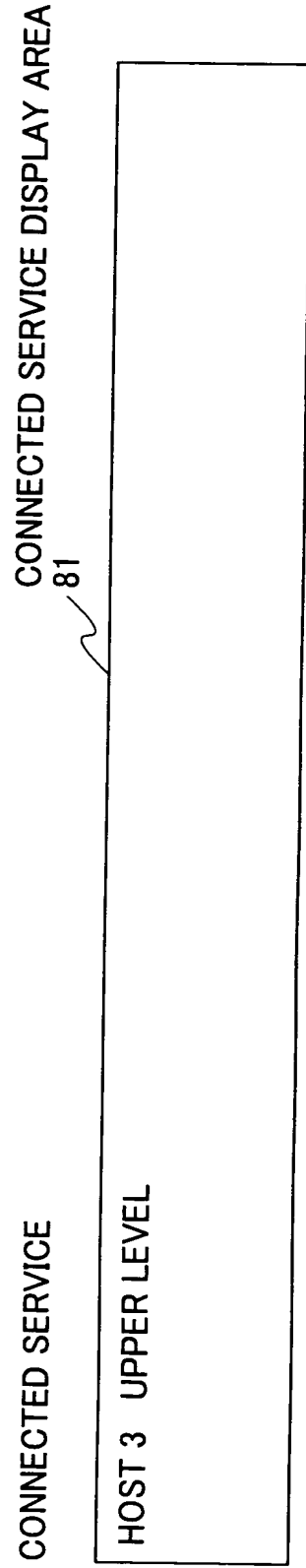


FIG.29C

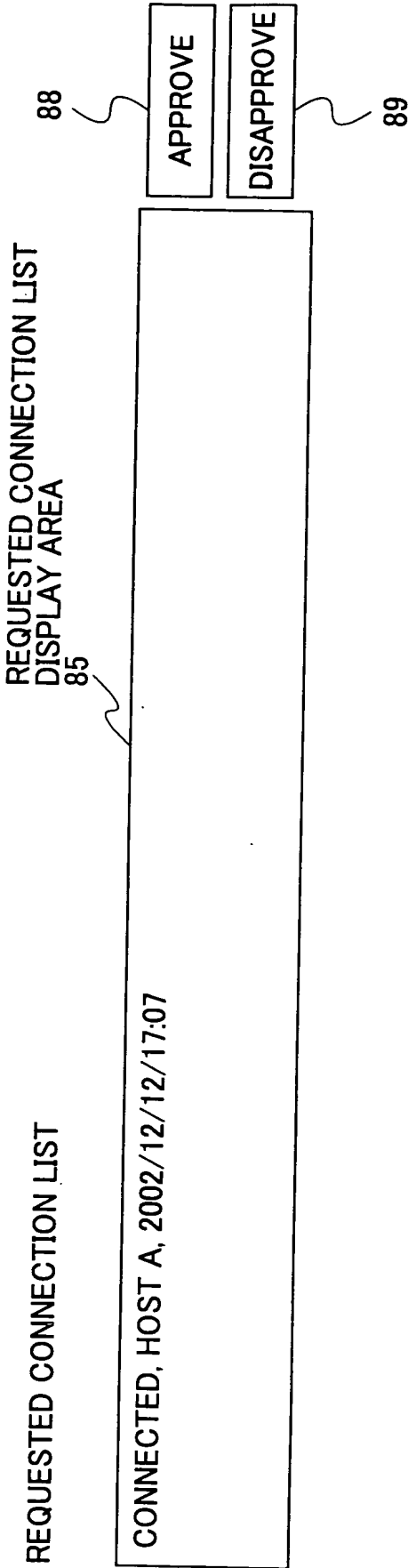


FIG.29D

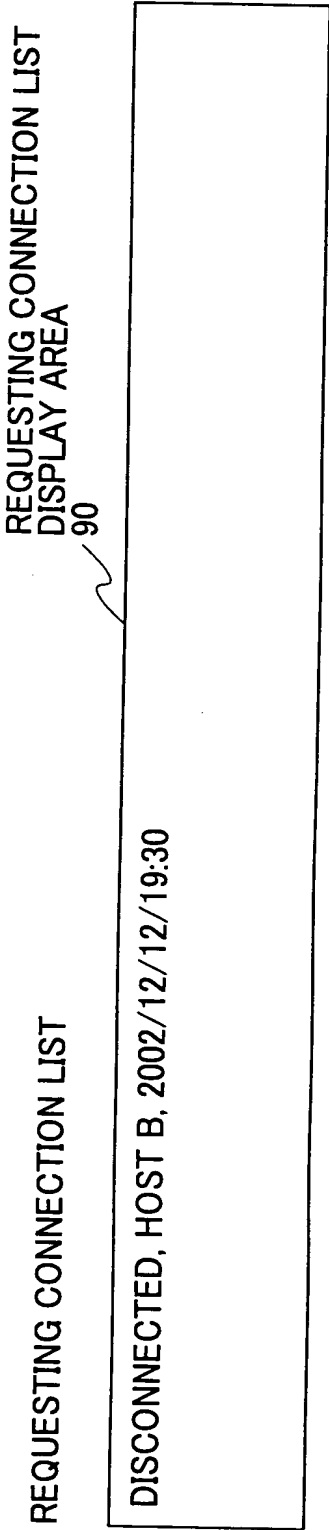


FIG.30A

PRINT LOCATION SELECTION
<div><div>A-1</div><div><div><input checked="" type="radio"/> A-0</div><div><input type="radio"/> A-2</div></div></div>
<div><div>NEXT</div><div>SELECTION</div></div>

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FIG.30B

PRINT LOCATION SELECTION
<div><div>A-0</div><div><div><input type="radio"/> R-0</div><div><input checked="" type="radio"/> B-0</div><div><input type="radio"/> A-1</div><div><input type="radio"/> A-2</div></div></div>
<div><div>NEXT</div><div>SELECTION</div></div>

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FIG.30C

PRINT LOCATION SELECTION
<div><div>B-0</div><div><div><input type="radio"/> R-0</div><div><input type="radio"/> A-0</div><div><input type="radio"/> B-1</div><div><input checked="" type="radio"/> B-2</div></div></div>
<div><div>NEXT</div><div>SELECTION</div></div>

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FIG.31

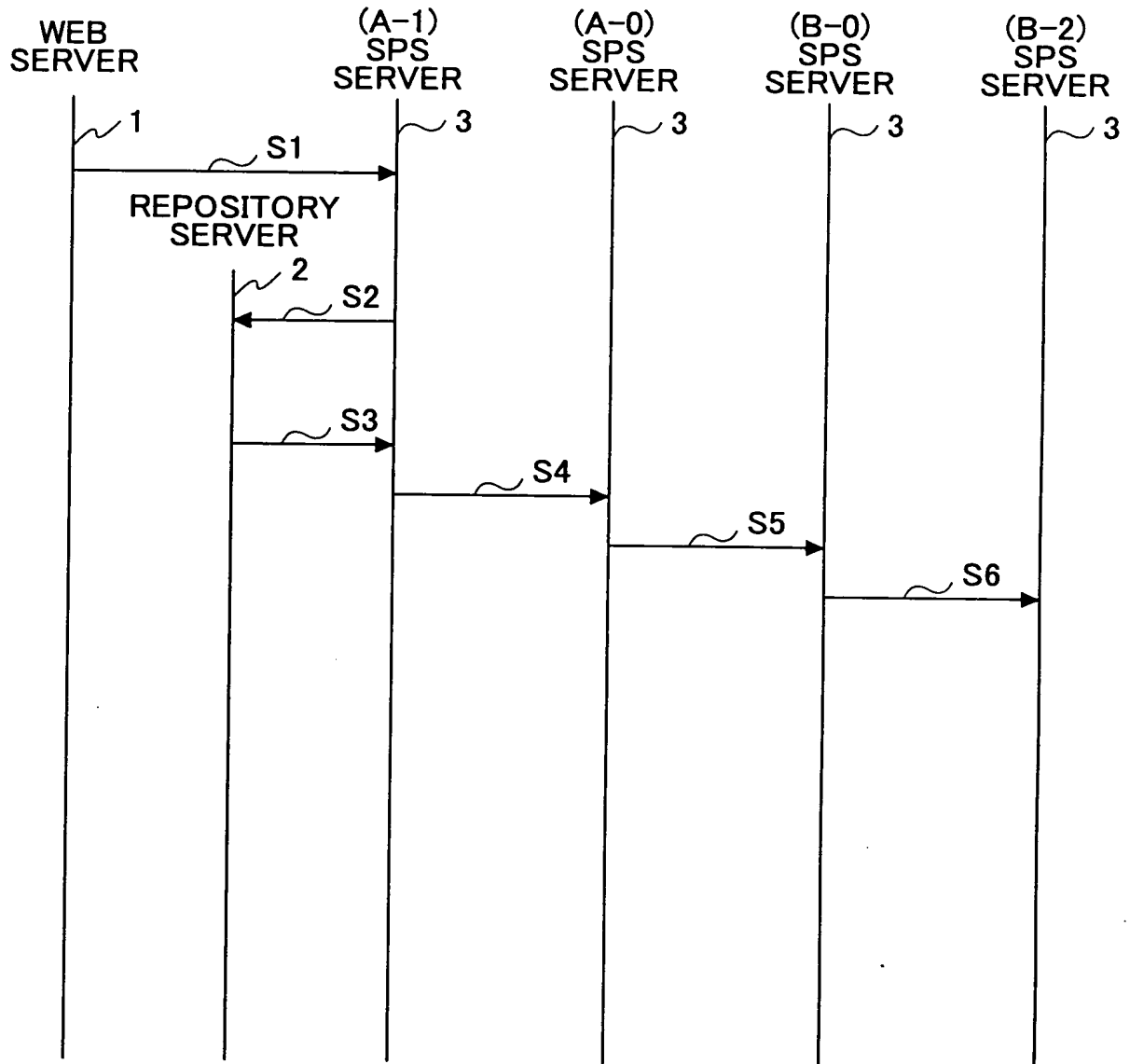


FIG.32

```
<reservedId> RESERVATION ID</reservedId>
<userName> USER NAME</userName>
<reservationName> RESERVATION NAME</reservationName>
<acceptedDate> ACCEPTED DATE</acceptedDate>
<validityDate> VALIDITY DATE</validityDate>
<portalSPSLocationName> PORTAL SPS LOCATION NAME</portalSPSLocationName>
<printSPSLocationName> PRINT SPS LOCATION NAME</printSPSLocationName>
<printerId> PRINTER ID</printerId>
<printerName> PRINTER NAME</printerName>
<printerLocaion> PRINTER LOCATION</printerLocaion>
<documentDetailList>
  <TransferDocumentInformation>
    <documentId> DOCUMENT ID</documentId>
    <documentName> DOCUMENT NAME</documentName>
    <fileInformationList>
      <fileInformation>
        <fileSize> FILE SIZE OF PRINT DOCUMENT</fileSize>
        <fileName> FILE NAME OF PRINT DOCUMENT</fileName>
        <contentType> CONTENT TYPE OF PRINT DOCUMENT</contentType>
      </fileInformation>
      <fileInformation>
        :
      </fileInformation>
    </fileInformationList>
  </TransferDocumentInformation>
</documentDetailList>
<printerProperty>
  <Property>
    <propName> PROPERTY NAME</propName>
    <propVal> PROPERTY VALUE</propVal>
  </Property>
</printerProperty>
<portalSPSPath>
  <SPSPath>
    <SPSUri> PORTAL SPS URI</SPSUri>
    <SPSRoute> PORTAL SPS ROUTE</SPSRoute>
  </SPSPath>
</portalSPSPath>
<printSPSPath>
  <SPSPath>
    <SPSUri> PRINT SPS URI</SPSUri>
    <SPSRoute> PRINT SPS ROUTE4</SPSRoute>
  </SPSPath>
</printSPSPath>
```

FIG.33

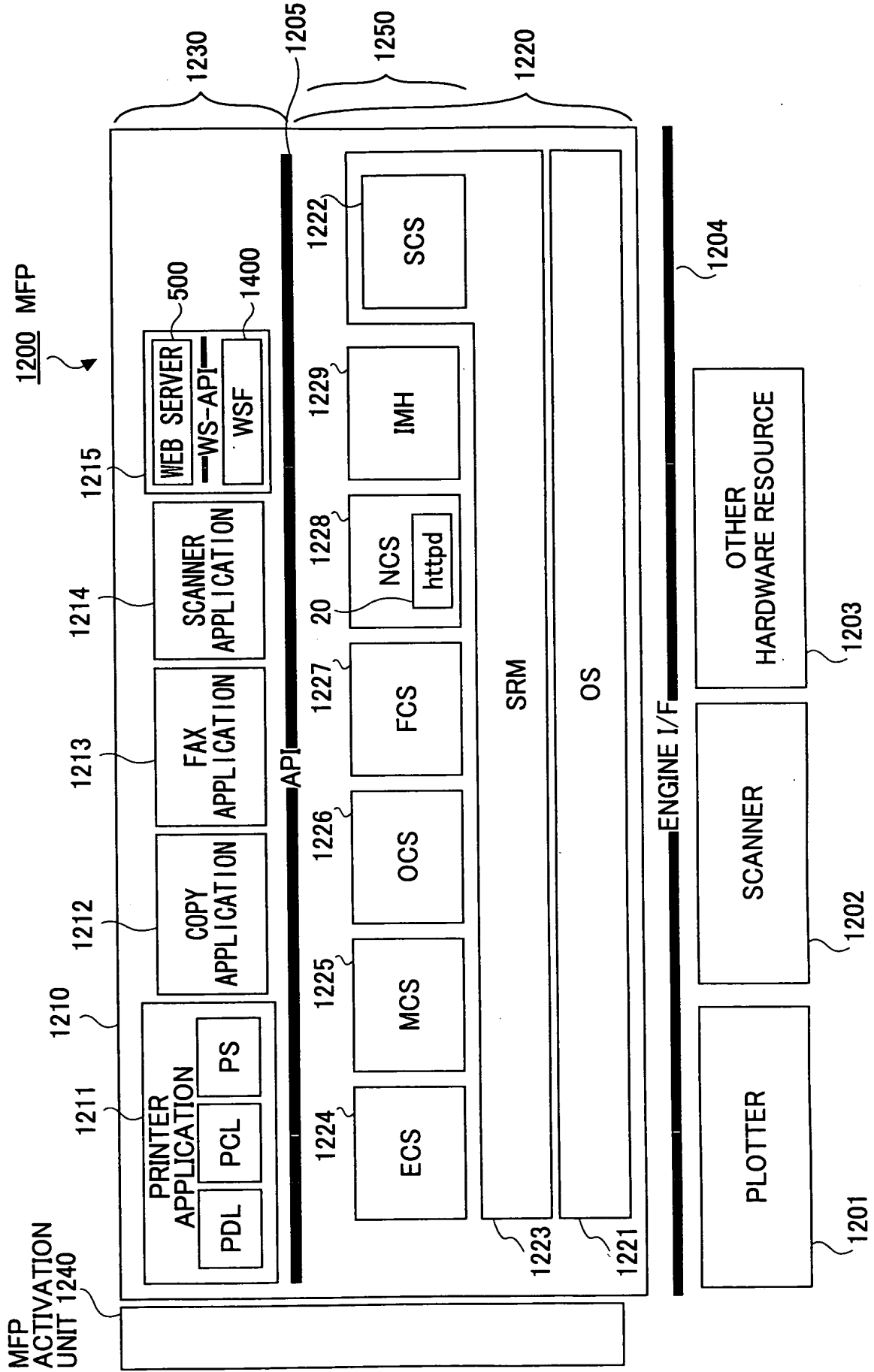


FIG.34

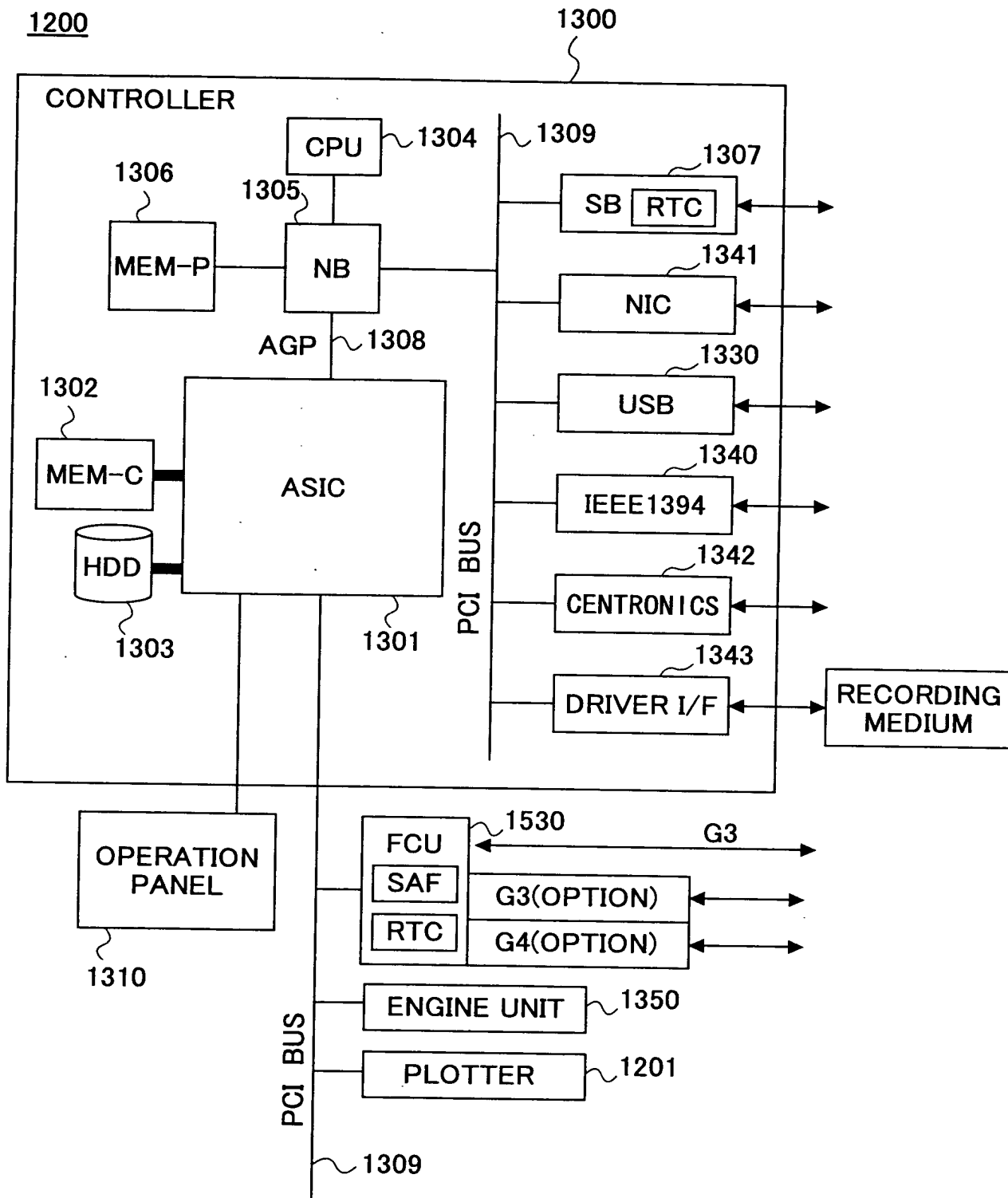


FIG.35

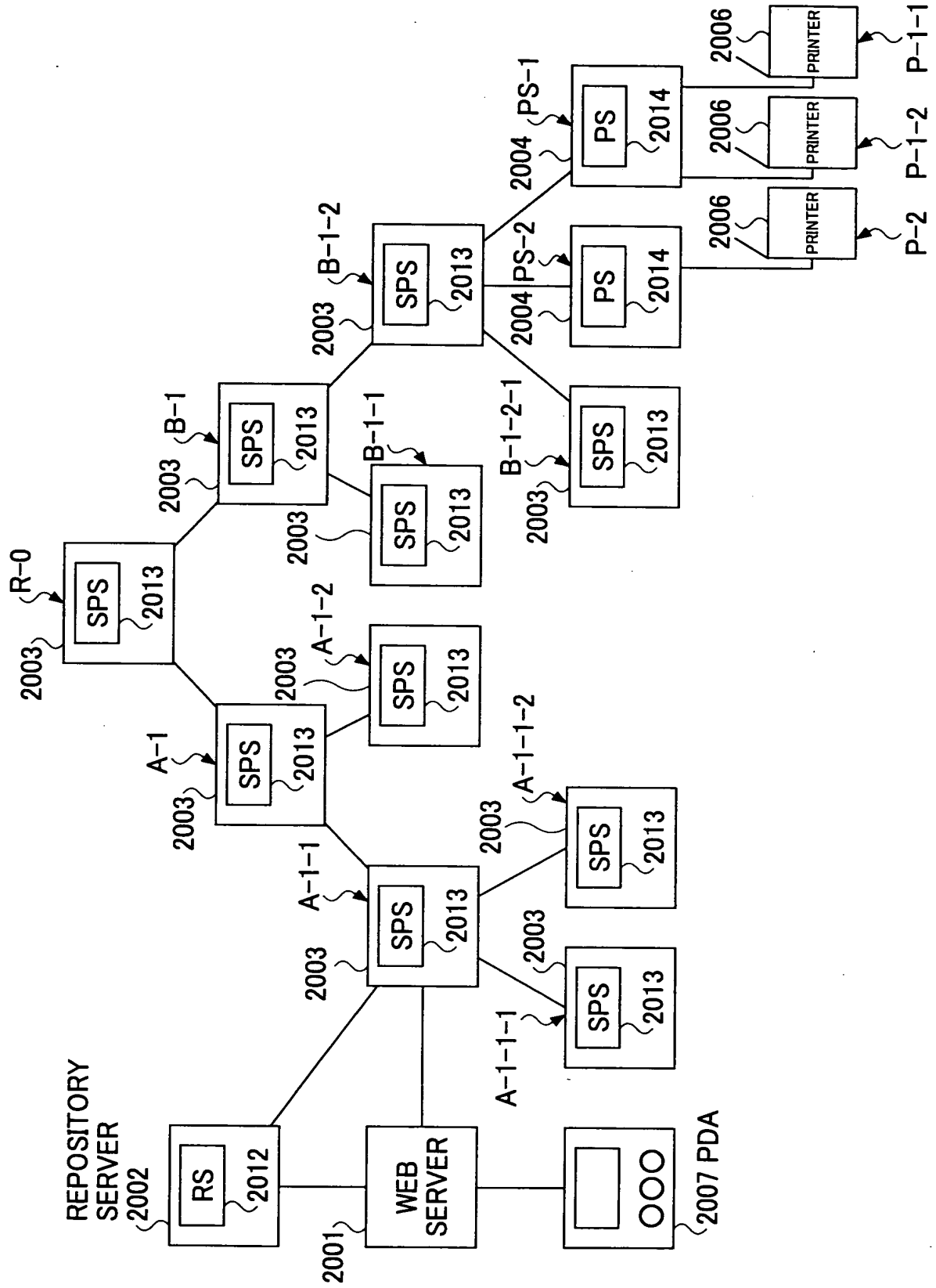


FIG.36

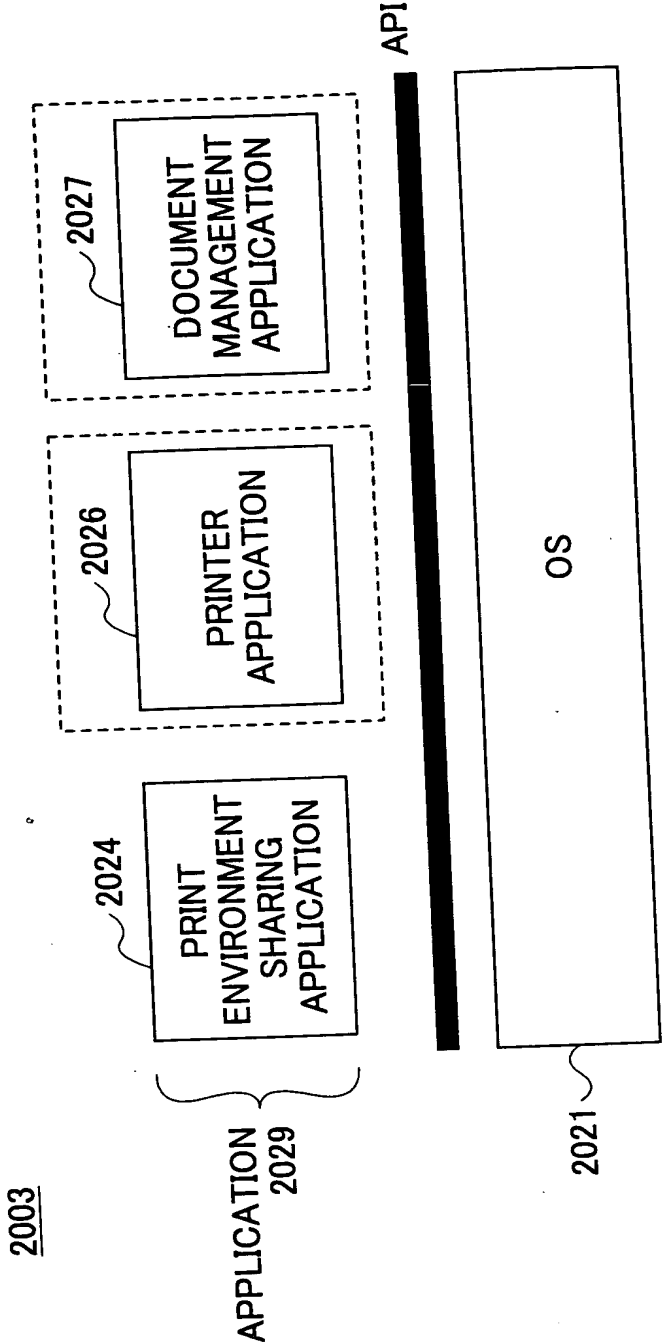


FIG.37

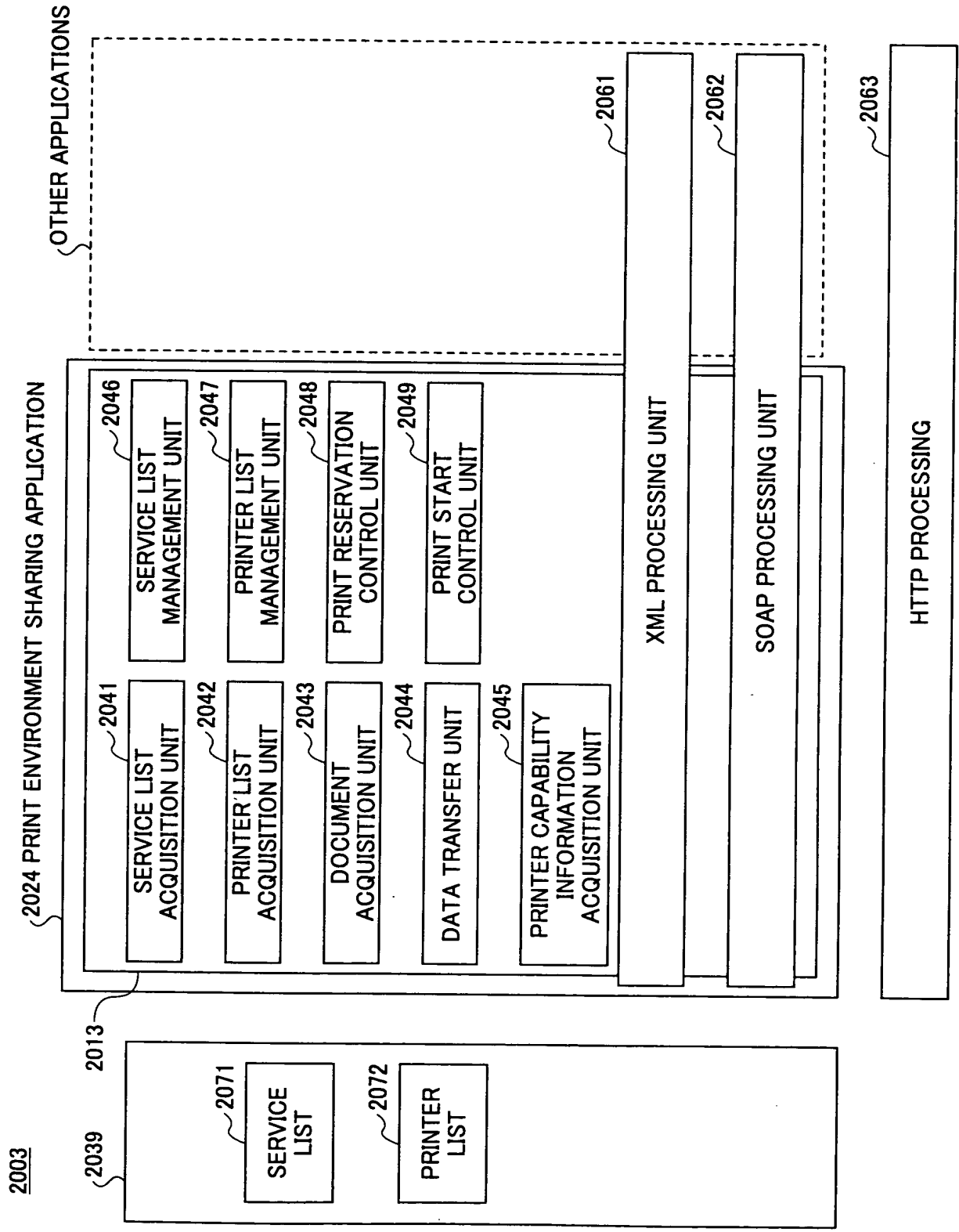


FIG.38A

SELECTING PRINT LOCATION	<div>A-1-1</div> <div><input type="radio"/> A-1-1-1</div> <div><input type="radio"/> A-1-1-2</div> <div><input checked="" type="radio"/> A-1</div>	<div>NEXT</div> <div>OK</div>
--------------------------	--	-------------------------------

FIG.38B

SELECTING PRINT LOCATION	<div>A-1</div> <div><input type="radio"/> A-1-1</div> <div><input type="radio"/> A-1-2</div> <div><input checked="" type="radio"/> R-0</div>	<div>NEXT</div> <div>OK</div> <div>BACK</div>
--------------------------	--	---

FIG.38C

SELECTING PRINT LOCATION	<div>R-0</div> <div><input type="radio"/> A-1</div> <div><input checked="" type="radio"/> B-1</div>	<div>NEXT</div> <div>OK</div> <div>BACK</div>
--------------------------	---	---

FIG.38D

SELECTING PRINT LOCATION	<div>B-1</div> <div><input type="radio"/> B-1-1</div> <div><input checked="" type="radio"/> B-1-2</div>	<div>NEXT</div> <div>OK</div> <div>BACK</div>
--------------------------	---	---

CONFIRMING SELECTION OF PRINT LOCATION	
YOU HAVE SELECTED PRINT LOCATION B-1-2, OK?	
PRINT RESERVATION	PRINTER SELECTION
CHANGING PRINT LOCATION	DISPLAYING SELECTION RESULT

FIG.38E

DISPLAYING SELECTION RESULT OF PRINT LOCATION
<div><div>R-0</div><div><div>A-1</div><div><div>A-1-1</div><div><div>A-1-1-1</div><div>A-1-1-2</div></div></div><div><div>B-1</div><div><div>B-1-1</div><div>B-1-2</div></div></div></div><div>RETURN</div></div>

FIG.38F

CONFIRMING PRINT RESERVATION
RESERVATION NAME: RESERVATION 1 (RESERVATION NO.: 1234567) RESERVATION DATE / TIME: 2002.4.1.10:10 RESERVATION EXPIRING DATE / TIME: 2002.4.3.23:59 RESERVATION LOCATION: A-1-1 PRINT LOCATION: B-1-2 PRINTER: NOT DESIGNATED PRINT CONDITION: NOT DESIGNATED
<div>RESERVE</div> <div>RETURN</div>

FIG.38G

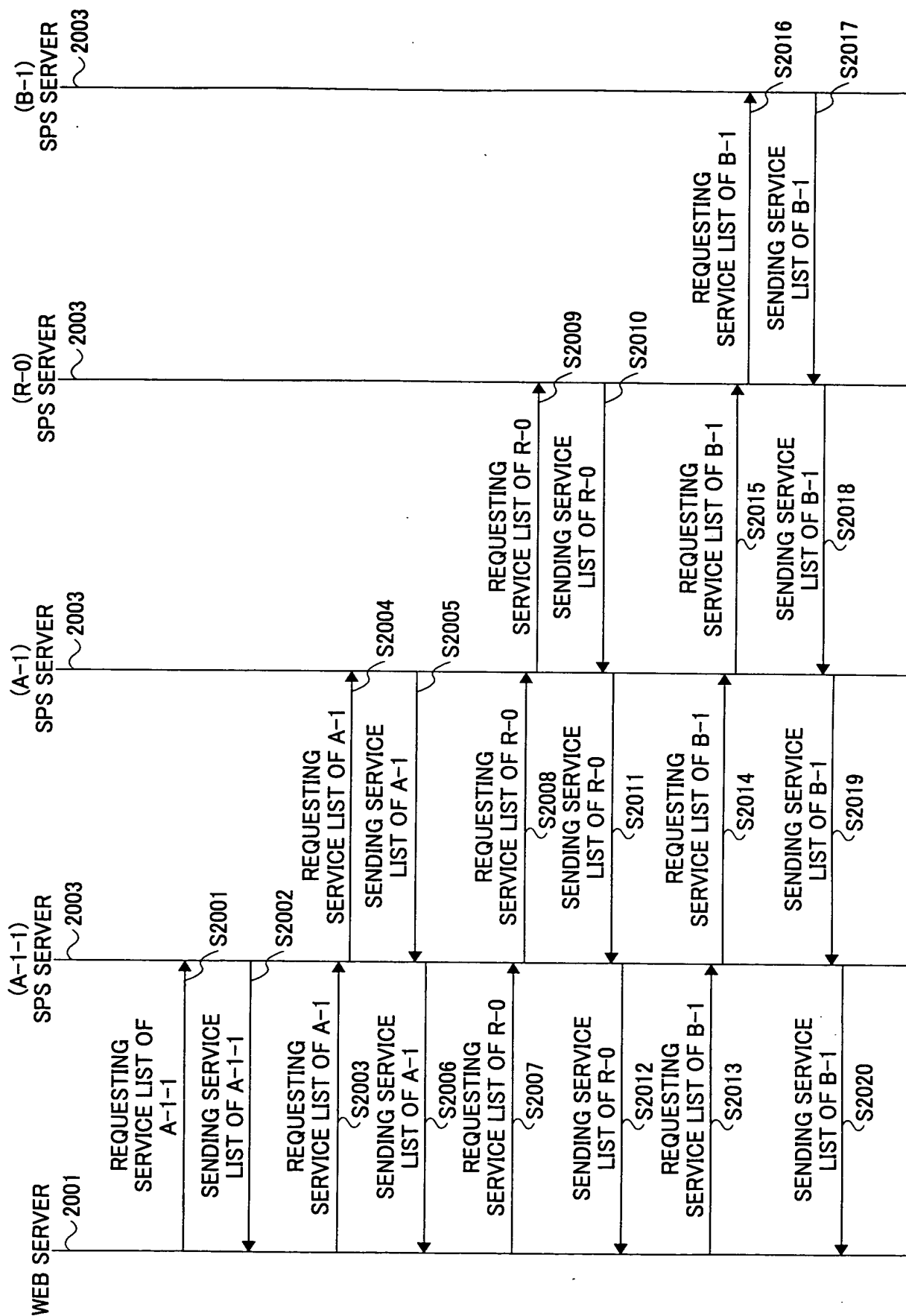


FIG.40C

SELECTING PRINT LOCATION
<input type="text" value="B-1"/>
<input type="radio"/> B-1-1
<input checked="" type="radio"/> B-1-2
<input type="text" value="NEXT"/> <input type="text" value="OK"/>
<input type="text" value="BACK"/>

FIG.40B

SELECTING PRINT LOCATION
<input type="text" value="R-0"/>
<input type="radio"/> A-1
<input checked="" type="radio"/> B-1
<input type="text" value="NEXT"/> <input type="text" value="OK"/>
<input type="text" value="BACK"/>

FIG.40A

SELECTING PRINT LOCATION
<input type="text" value="A-1-1"/>
<input type="radio"/> A-1-1-1
<input type="radio"/> A-1-1-2
<input type="radio"/> A-1
<input checked="" type="radio"/> TOP LEVEL
<input type="text" value="NEXT"/> <input type="text" value="OK"/>

FIG.40D

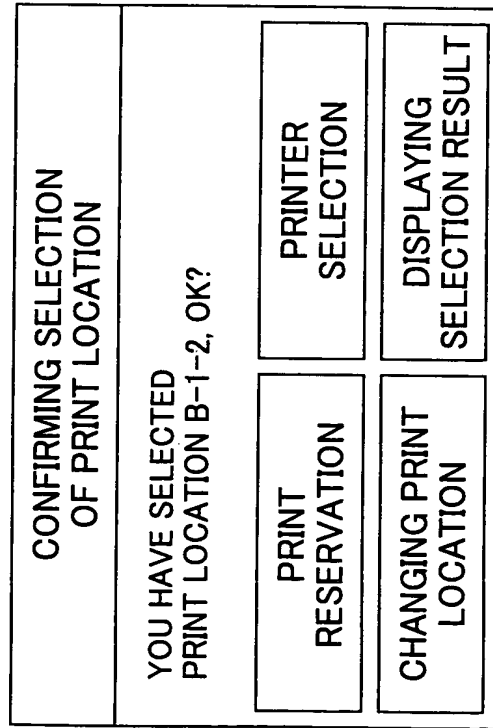


FIG.40E

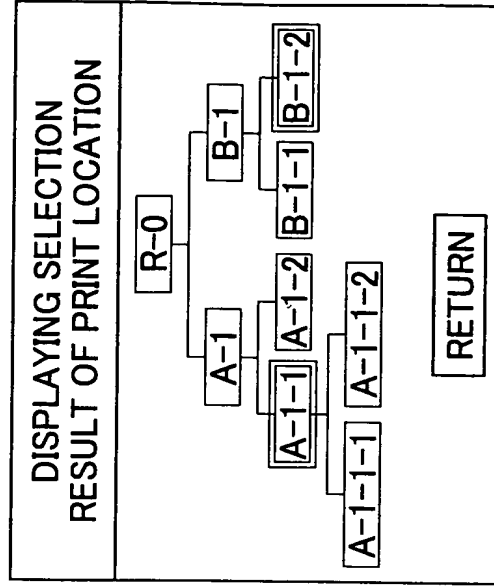


FIG.41

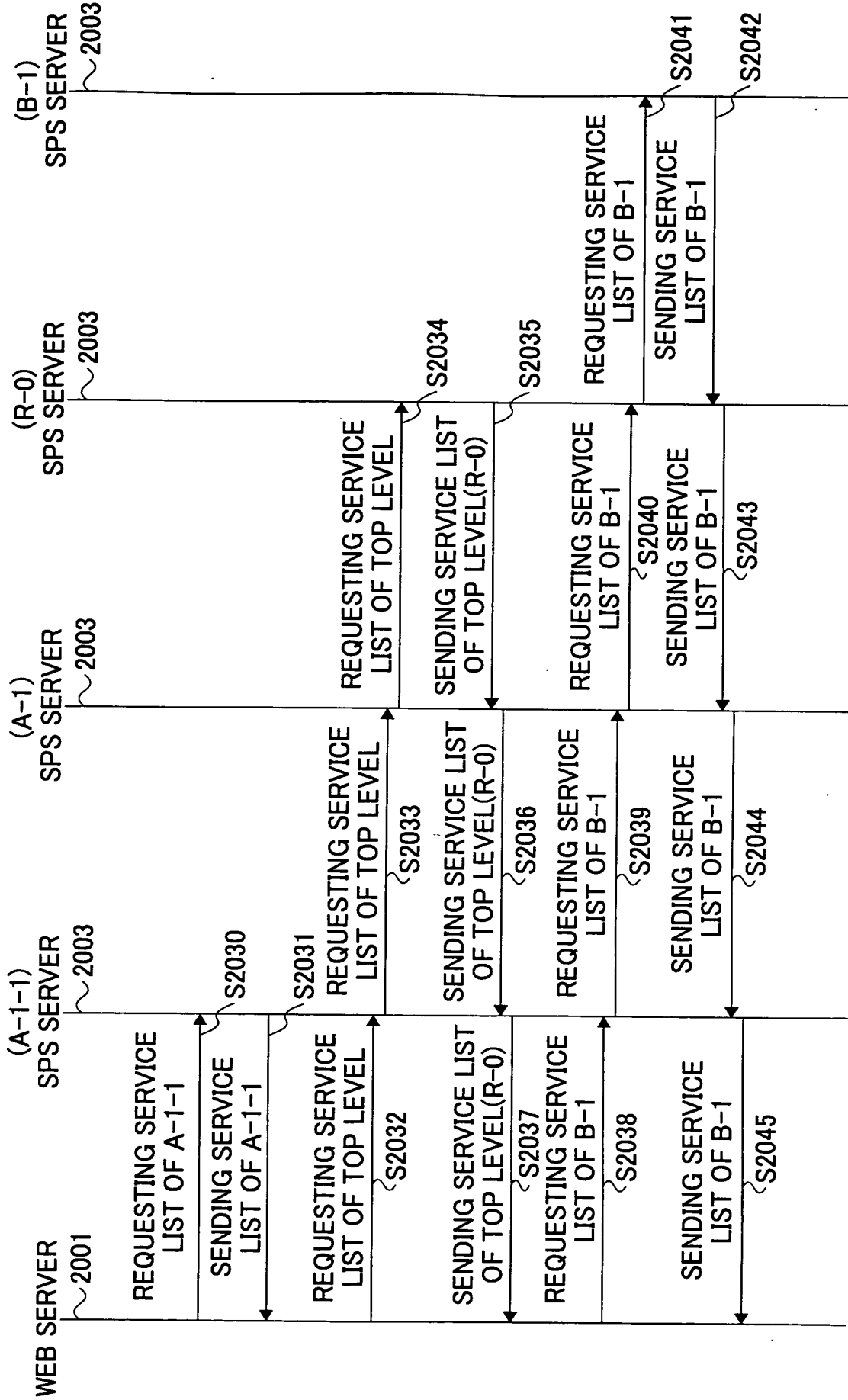


FIG.42

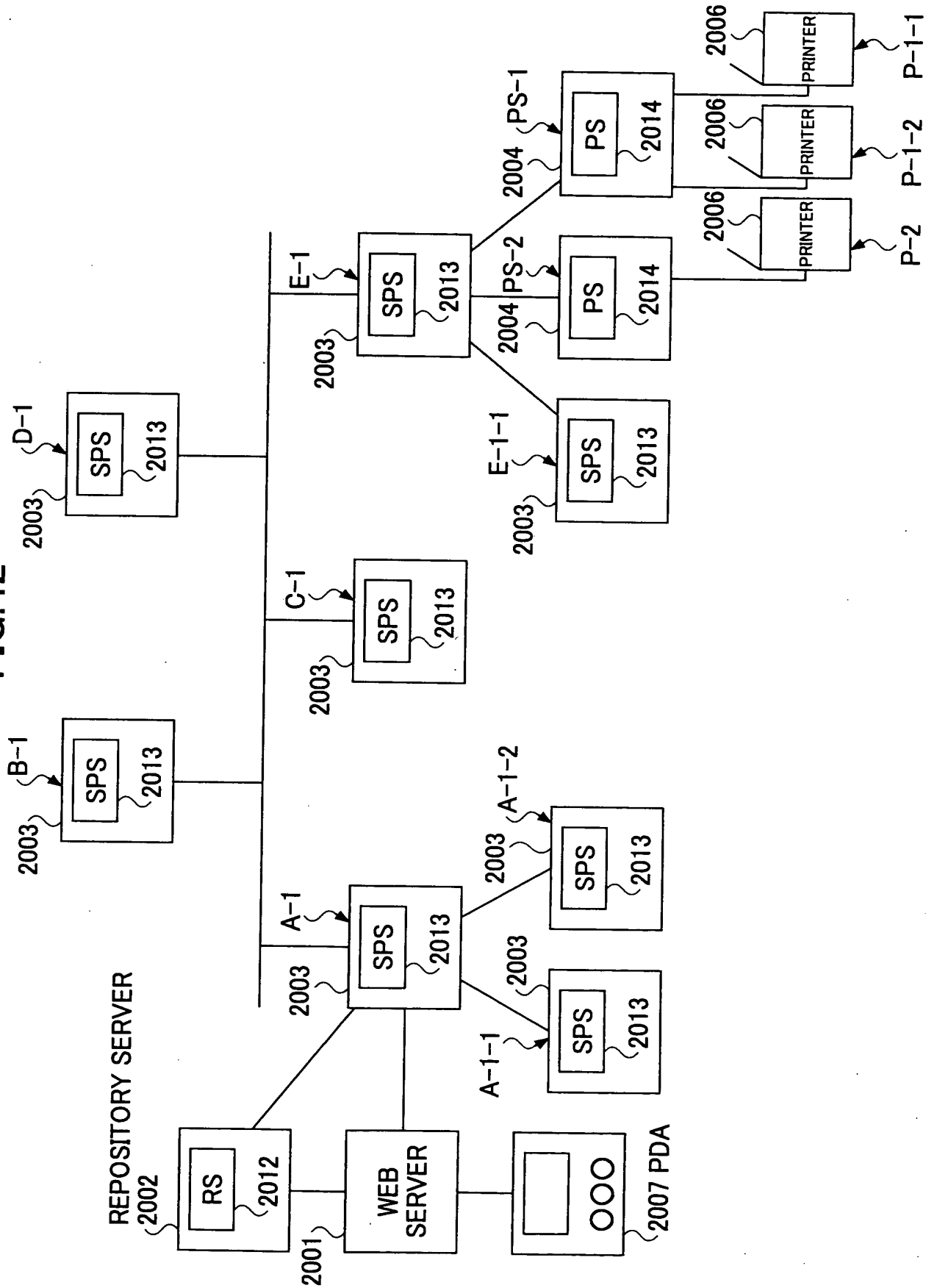


FIG.43A

SELECTING PRINT LOCATION	
<input type="checkbox"/> A-1	<div>OK</div> <div>NEXT</div>
<input type="radio"/> B-1	
<input type="radio"/> C-1	
<input type="radio"/> D-1	
<input checked="" type="radio"/> E-1	
<input type="radio"/> A-1-1	
<input type="radio"/> A-1-2	

FIG.43B

CONFIRMING SELECTION OF PRINT LOCATION	
YOU HAVE SELECTED PRINT LOCATION E-1, OK?	
<div>PRINT RESERVATION</div>	<div>PRINTER SELECTION</div>
<div>CHANGING PRINT LOCATION</div> <div>DISPLAYING SELECTION RESULT</div>	

FIG.43C

DISPLAYING OF SELECTION RESULT OF PRINT LOCATION	
<div><div><div>A-1</div><div>A-1-1</div></div><div><div>B-1</div><div>A-1-2</div></div><div><div>C-1</div></div><div><div>D-1</div></div><div><div>E-1</div></div></div> <div>RETURN</div>	

FIG.44

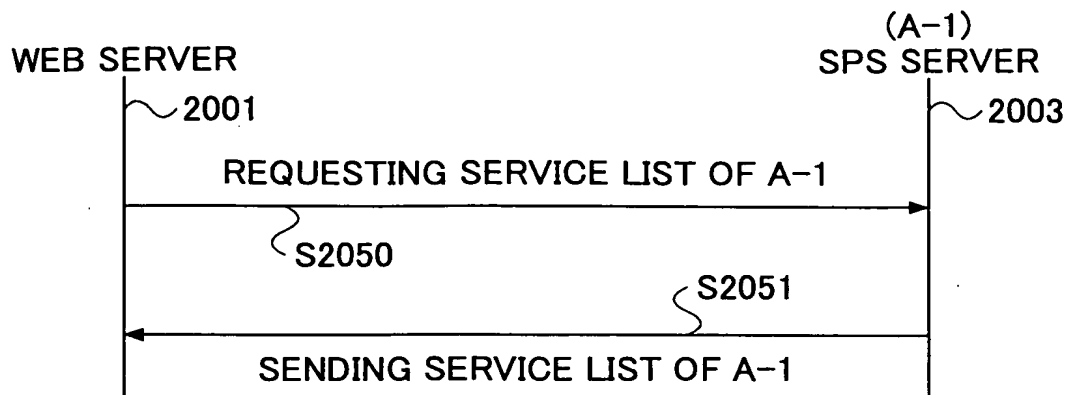


FIG.45

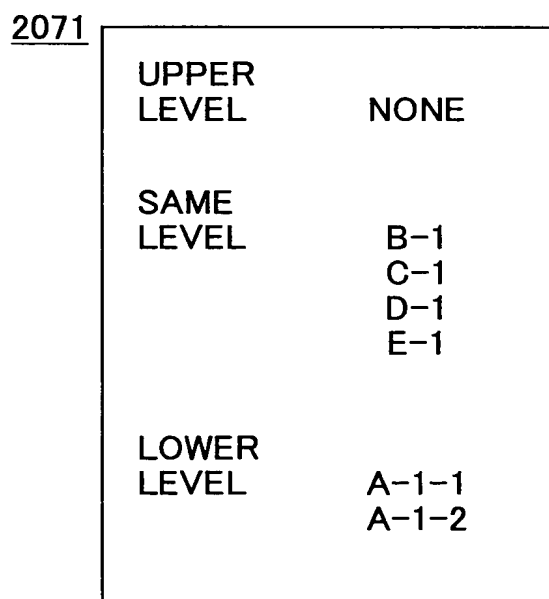


FIG.46

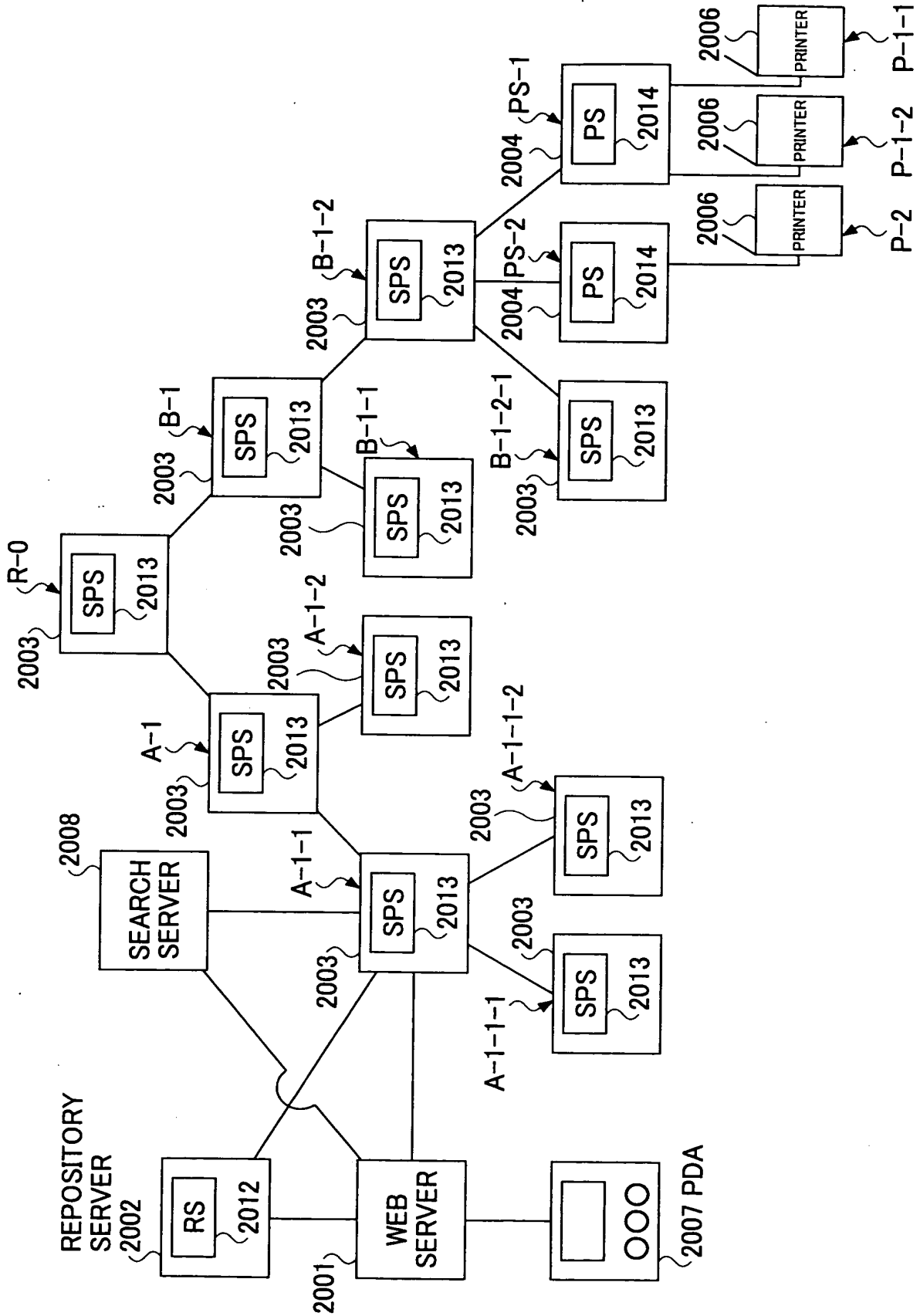


FIG.47A

SELECTING PRINT LOCATION	<div>A-1-1</div> <div><input type="radio"/> A-1-1-1</div> <div><input type="radio"/> A-1-1-2</div> <div><input type="radio"/> A-1</div> <div><input type="radio"/> TOP LEVEL</div> <div><input checked="" type="radio"/> SEARCH</div> <div>NEXT</div> <div>OK</div>
-----------------------------	---

FIG.47B

INPUT SCREEN OF SEARCH CONDITION	SEARCH CONDITION <div>TOKYO, JAPAN</div> <div><input type="radio"/> LOCATION</div> <div><input checked="" type="radio"/> ADDRESS</div> <div><input type="radio"/> CLOSEST STATION</div> <div><input type="radio"/> KEY WORD</div> <div><input type="radio"/> LATITUDE / LONGITUDE</div> <div>START SEARCHING</div>
-------------------------------------	---

FIG.47C

DISPLAYING SEARCH RESULT	SEARCH RESULT <div><input type="radio"/> A-1-1-2</div> <div><input type="radio"/> B-1-1</div> <div><input checked="" type="radio"/> B-1-2</div> <div>NEXT</div> <div>OK</div>
-----------------------------	--

FIG.47D

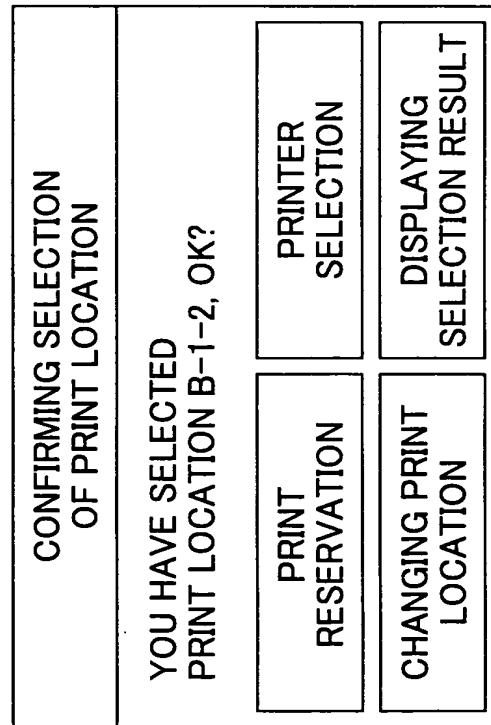


FIG.47E

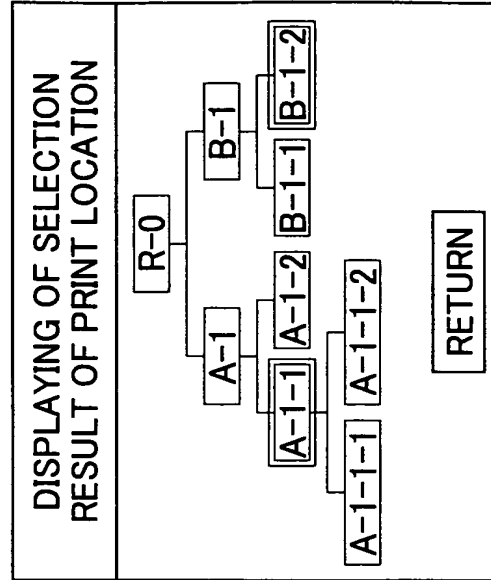


FIG.48

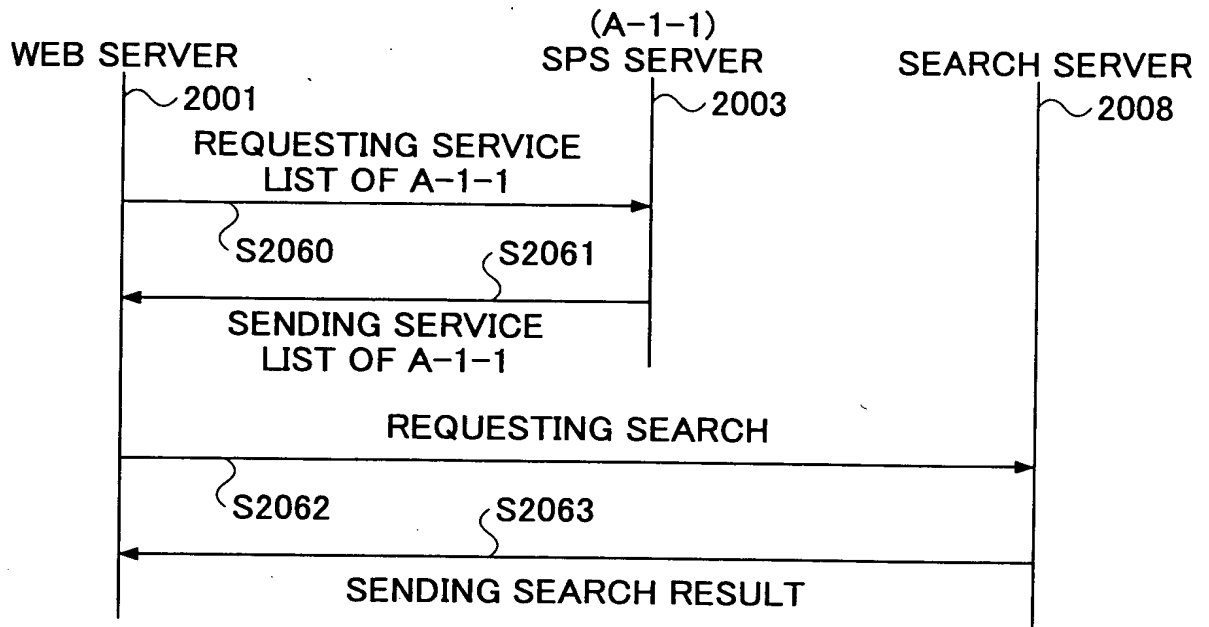


FIG.49A

SELECTING PRINT LOCATION	<div>A-1-1</div> <div> <input type="radio"/> A-1-1-1 <input type="radio"/> A-1-1-2 <input type="radio"/> A-1 <input type="radio"/> TOP LEVEL <input checked="" type="radio"/> SEARCH </div> <div> <div>NEXT</div> <div>OK</div> </div>
--------------------------	--

FIG.49B

SEARCHING PRINT LOCATION	<div>SEARCH CONDITION</div> <div> <div>B-1-2</div> <div> <input checked="" type="radio"/> LOCATION <input type="radio"/> ADDRESS <input type="radio"/> CLOSEST STATION <input type="radio"/> KEY WORD <input type="radio"/> LATITUDE / LONGITUDE </div> <div>START SEARCHING</div> </div>
--------------------------	---

FIG.49C

DISPLAYING SEARCH RESULT	<div>B-1-2</div> <div>ADDRESS: ~</div> <div> <div>NEXT</div> <div>OK</div> </div>
--------------------------	---

FIG.49D

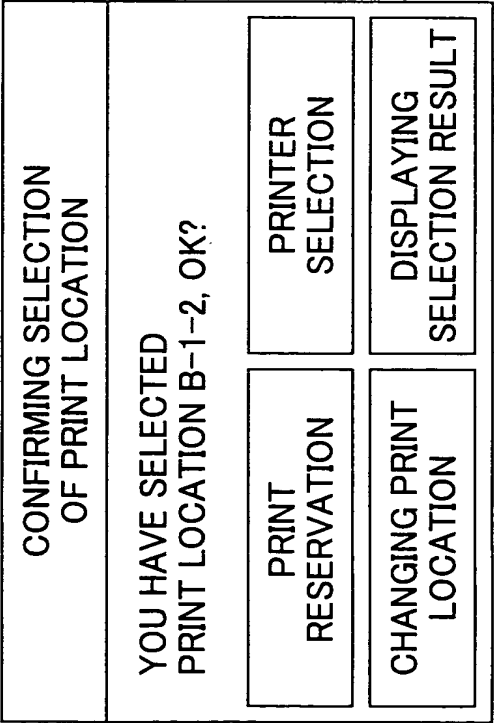


FIG.49E

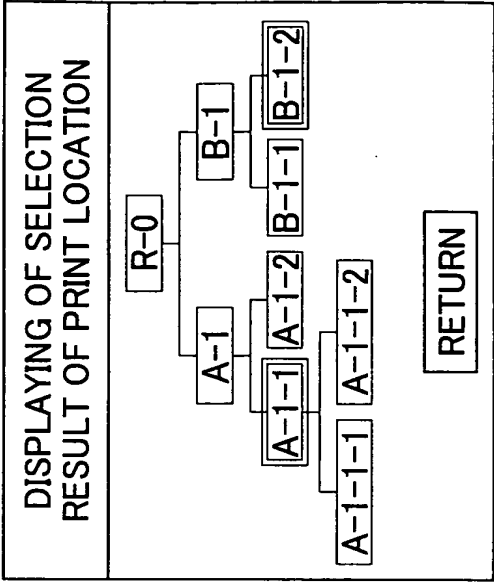


FIG.50

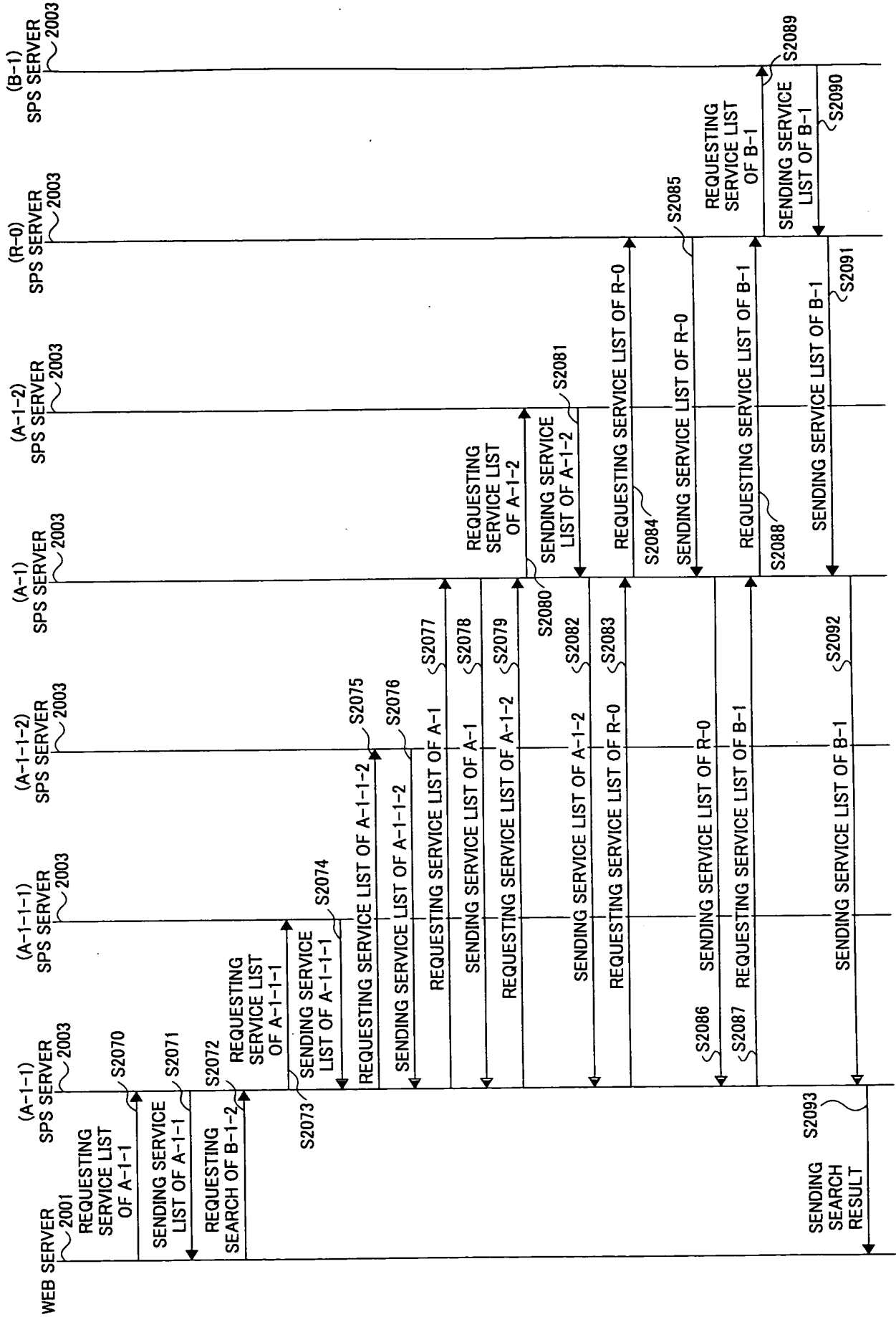


FIG.51

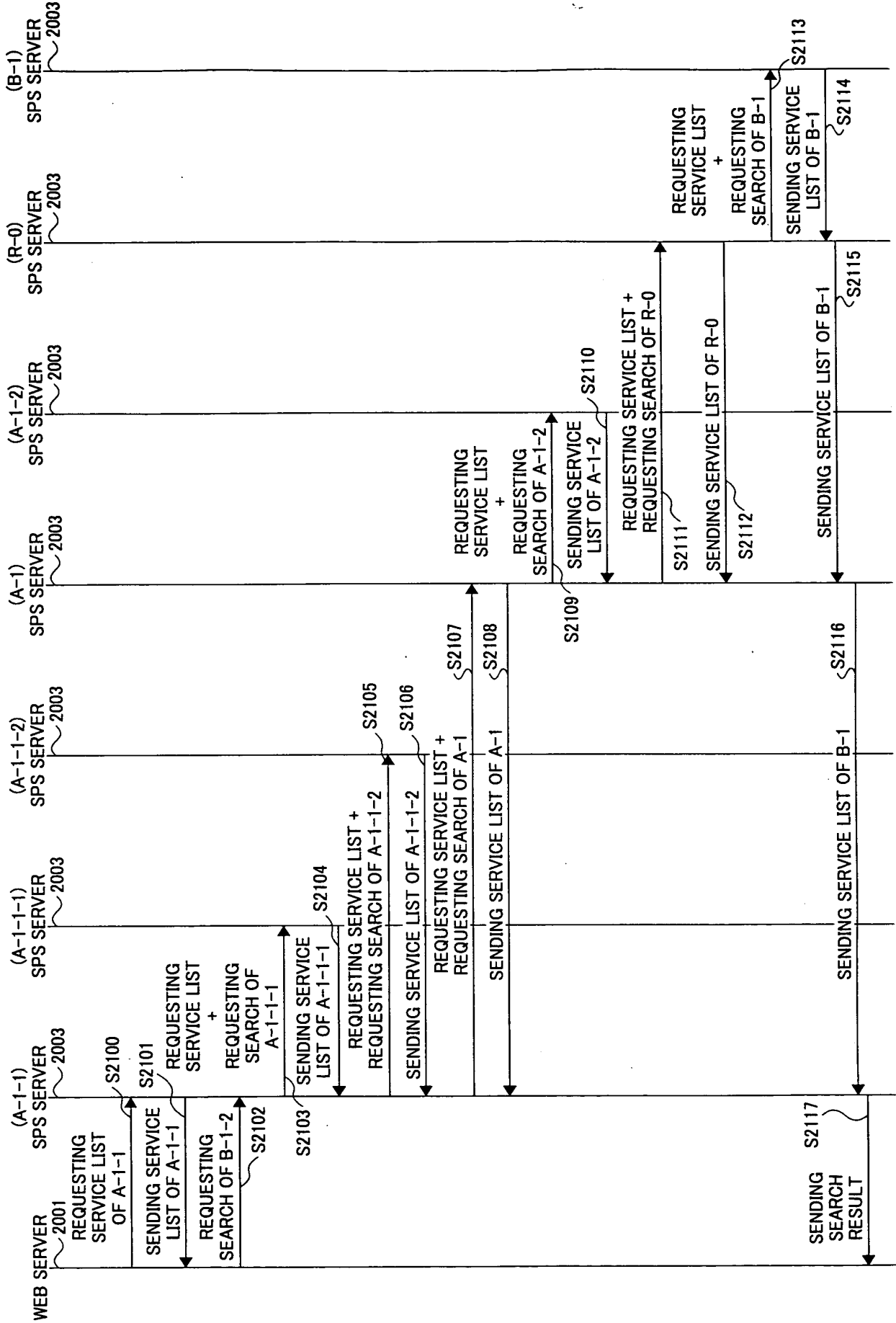


FIG.52

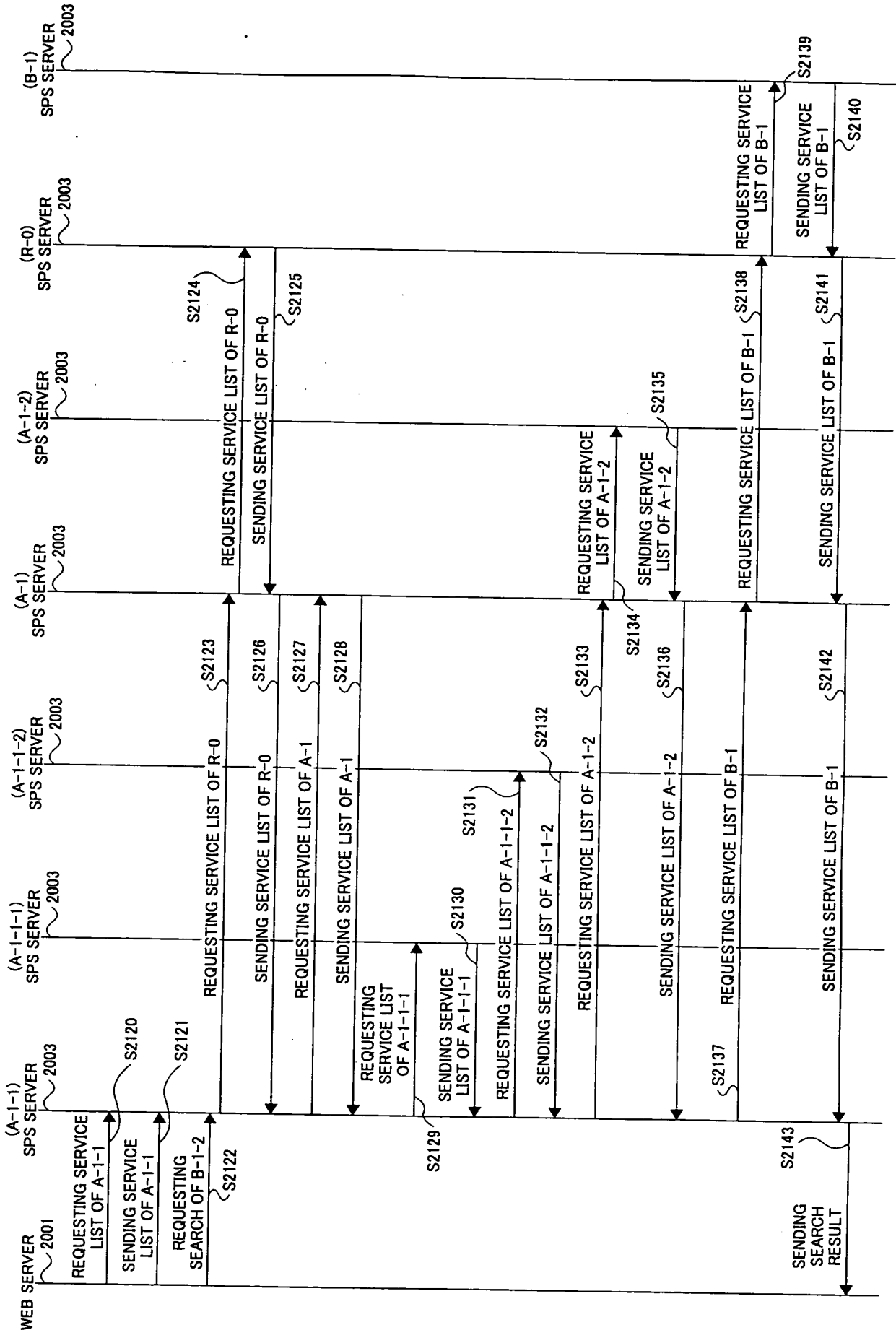


FIG.53

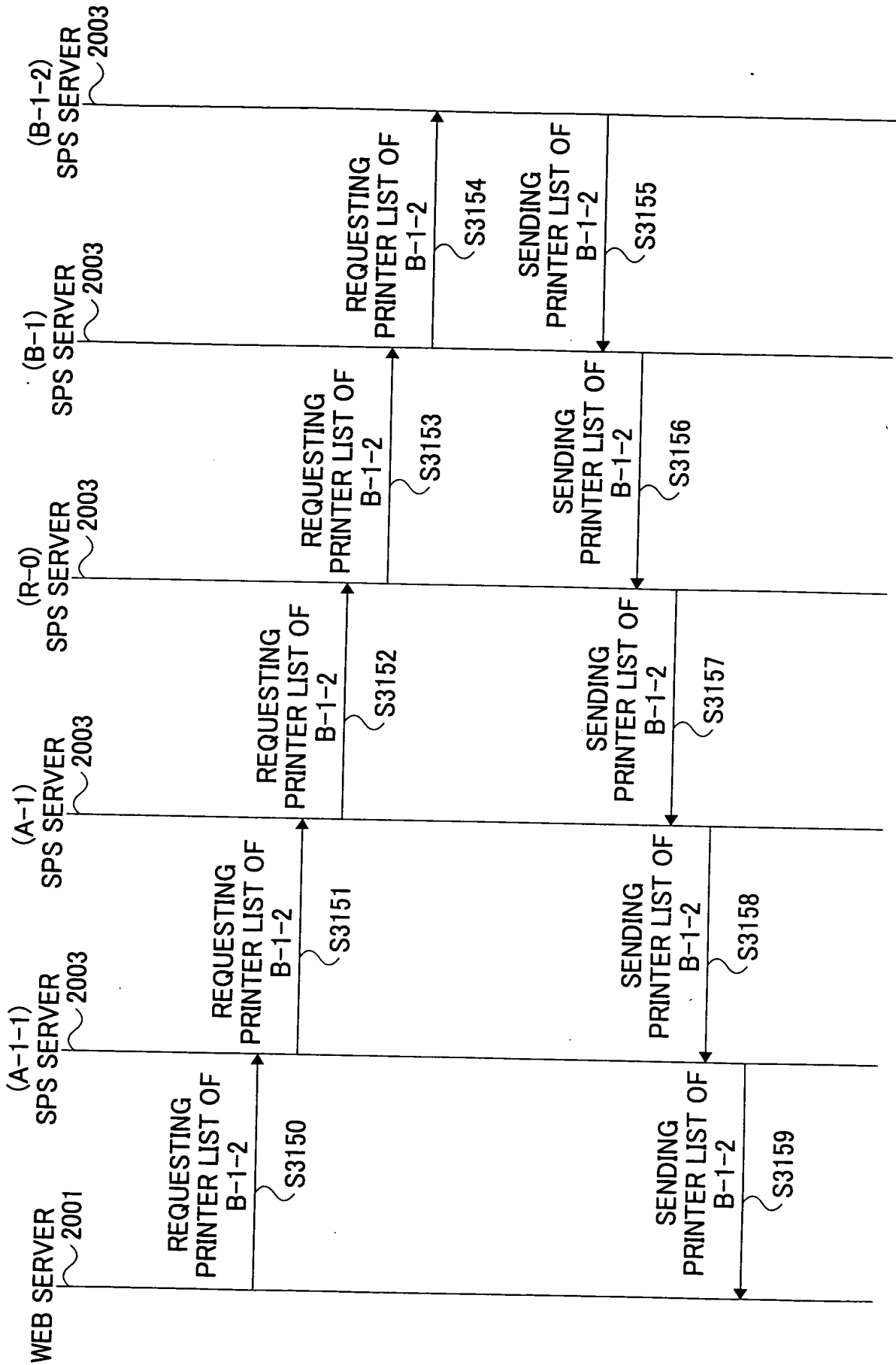


FIG.54

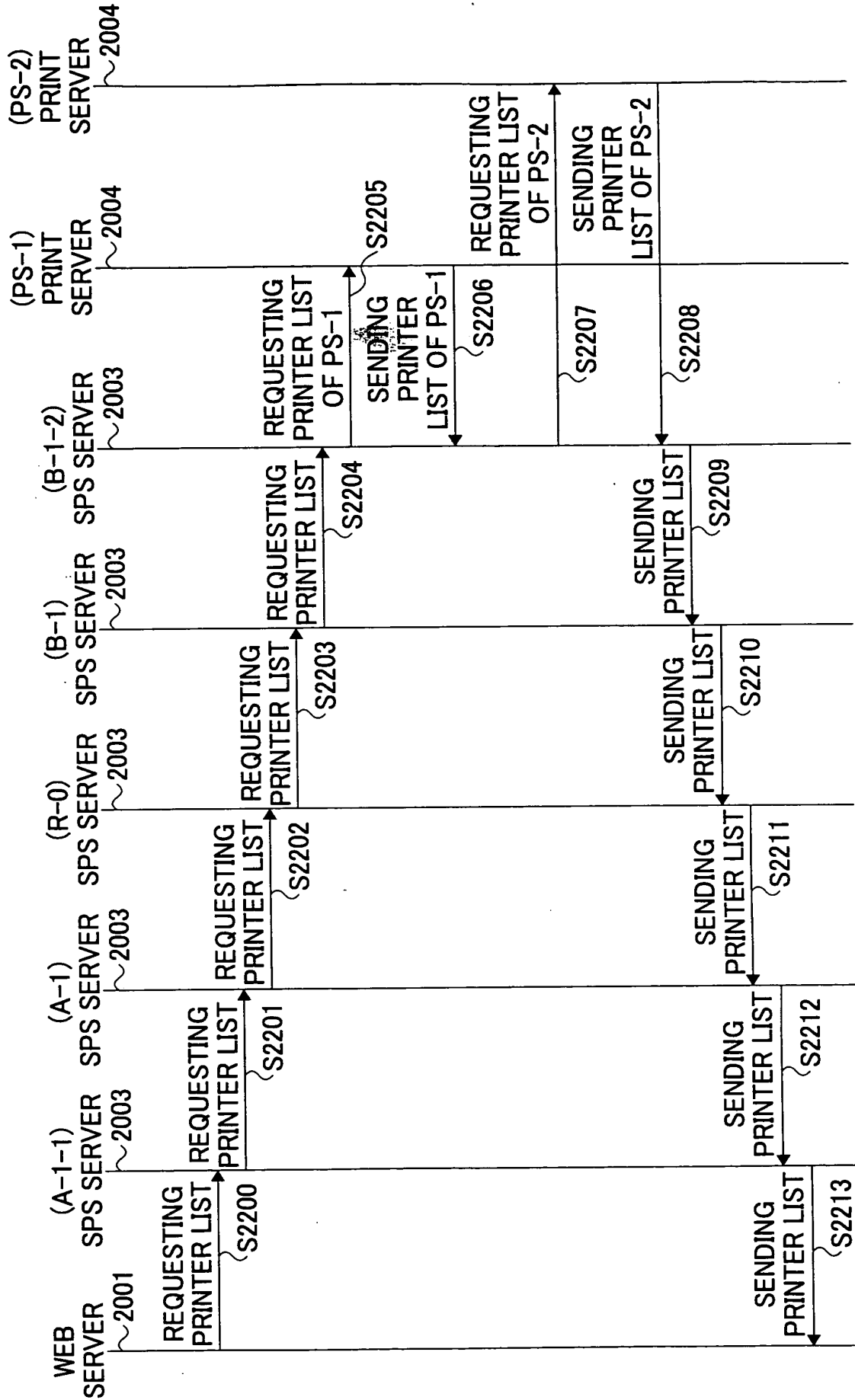


FIG.55

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DOCUMENT PRINT SERVICE URI	PRINTER ID	PRINTER NAME
PS-1, PS-2,	MFP205:MFP141, MFP142,	P-1-1:P-1-2, P-2,
	:	:

SELECTING PRINTER	
<input type="radio"/> P-1-1	<div>RETURN</div> <div>OK</div>
<input checked="" type="radio"/> P-1-2	
<input type="radio"/> P-2	

FIG.56A

CONFIRMING PRINTER SELECTION	
YOU HAVE SELECTED PRINTER P-1-2, OK?	
<div>PRINT RESERVATION</div>	<div>SETTING PRINT CONDITION</div>
<div>CHANGING PRINTER</div>	<div>DISPLAYING SELECTION RESULT</div>

FIG.56B

CONFIRMING PRINT RESERVATION
RESERVATION NAME: RESERVATION 1 (RESERVATION NO.: 1234567) RESERVATION DATE / TIME: 2002.4.1.10:10 RESERVATION EXPIRING DATE / TIME: 2002.4.3.23:59 RESERVATION LOCATION: A-1-1 PRINT LOCATION: B-1-2 PRINTER: P-1-2 PRINT CONDITION: NOT DESIGNATED
<div>RESERVE</div> <div>RETURN</div>

FIG.56C

FIG.57

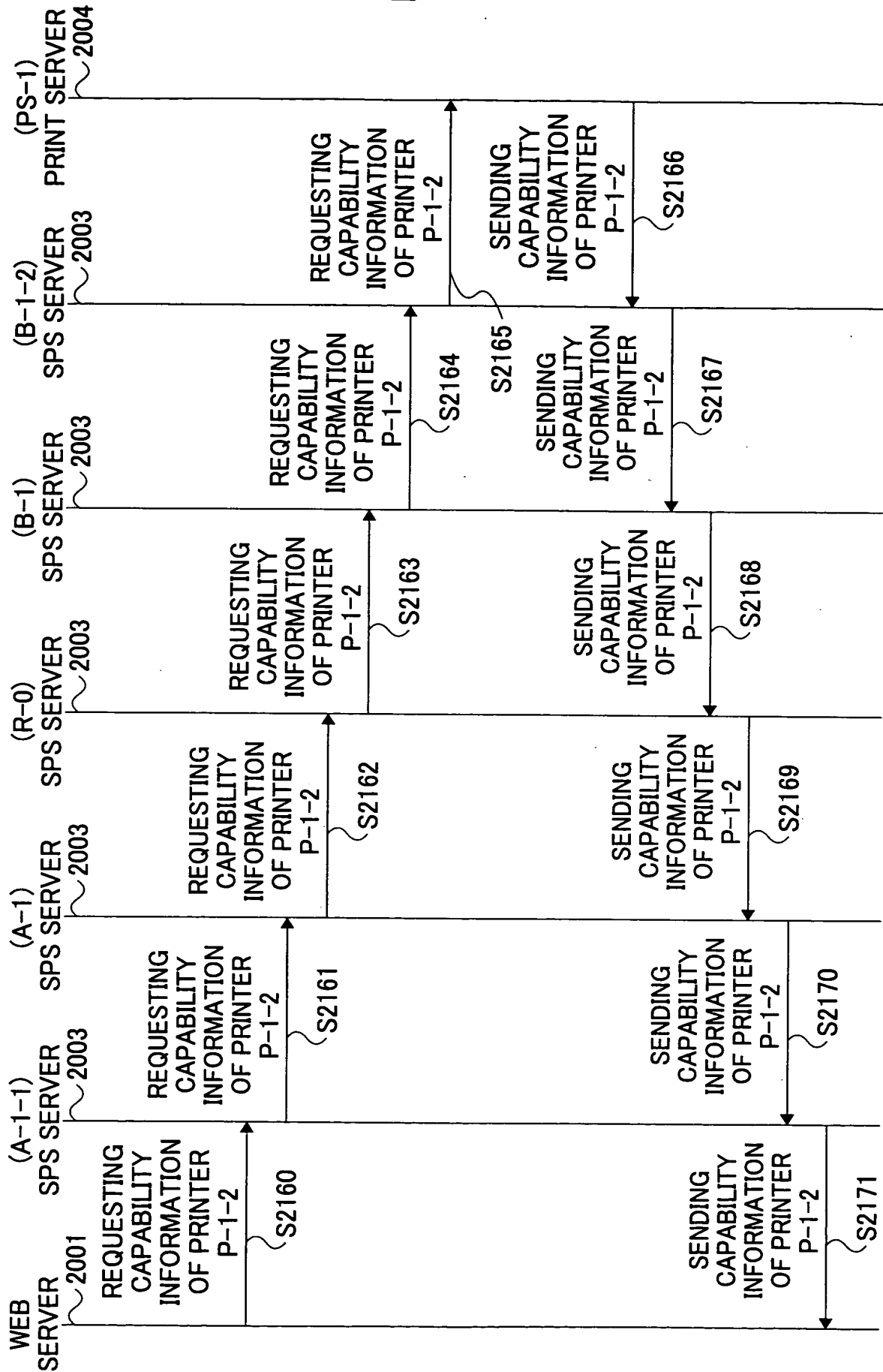


FIG.58A

SETTING PRINT CONDITION	
PAPER SIZE	<div>A4 ▼</div>
DIRECTION	<div>HORIZONTAL ▼</div>
COLOR/MONOCROME	<div>COLOR ▼</div>
DOUBLE SIDE	<div>NO ▼</div>
:	
<div>RETURN</div>	<div>PRINT RESERVATION</div>

FIG.58B

CONFIRMING PRINT RESERVATION	
RESERVATION NAME: RESERVATION 1 (RESERVATION NO.: 1234567) RESERVATION DATE / TIME: 2002.4.1.10:10 RESERVATION EXPIRING DATE / TIME: 2002.4.3.23:59 RESERVATION LOCATION: A-1-1 PRINT LOCATION: B-1-2 PRINTER: P-1-2 PRINT CONDITION: A4, HORIZONTAL, COLOR	
<div>RESERVE</div>	<div>RETURN</div>

FIG.59

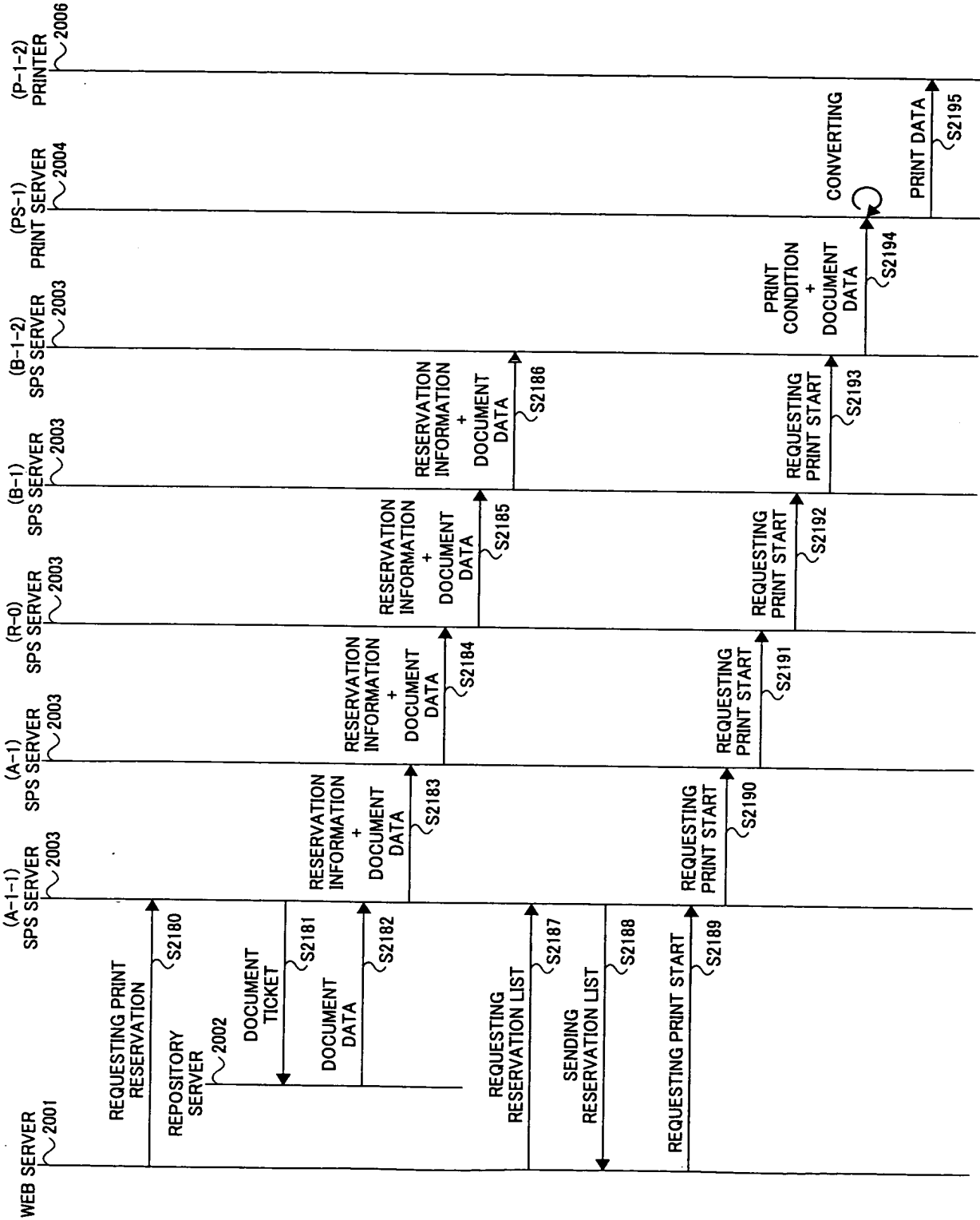


FIG.60A

PRINT RESERVATION SELECT SCREEN	
<input checked="" type="checkbox"/> RESERVATION 1	<div>RESERVATION CONTENTS</div> <div>PRINT</div> <div>RETURN</div>
<input type="checkbox"/> RESERVATION 2	
<input type="checkbox"/> RESERVATION 3	
<input type="checkbox"/> RESERVATION 4	

FIG.60B

PRINT RESERVATION CONTENTS DISPLAY
RESERVATION NAME: RESERVATION 1 (RESERVATION NO.: 1234567) RESERVATION DATE / TIME: 2002.4.1.10:10 RESERVATION EXPIRING DATE / TIME: 2002.4.3.23:59 RESERVATION LOCATION: A-1-1 PRINT LOCATION: B-1-2 PRINTER: P-1-2 PRINT CONDITION: A4, HORIZONTAL, COLOR
<div>PRINT</div> <div>RETURN</div>

FIG.61A

```
<printerId>PRINTER ID</printerId>
<spsPath>
  <SPSUri>URI OF PRINTING SPS</SPSUri>
  <SPSRoute>ROUTE INFORMATION TO PRINTING SPS</SPSRoute>
</spsPath>
  <reservationName>RESERVATION NAME</reservationName>
<printerProperty>
  <property>
    <propName>PROPERTY NAME</propName>
    <propVal>PROPERTY VALUE</propVal>
  </property>
</printerProperty>
<documentInformationList>
  <documentInformation>
    <rsUri>URI OF REPOSITORY SERVICE</rsUri>
    <userName>USER NAME</userName>
    <docTicket>DOCUMENT TICKET</docTicket>
  </documentInformation>
</documentInformationList>
```

FIG.61B

```
<reservedId>RESERVATION ID</reservedId>
<validityDate>RESERVATION VALIDITY DATE</validityDate>
<acceptedDate>RESERVATION ACCEPTED DATE</acceptedDate>
<printTicket>RESERVATION TICKET</printTicket>
```

FIG. 62A

```
<reservedId>RESERVATION ID</reservedId>
<printerId>PRINTER ID</printerId>
<spsPath>
  <spsUri>URI OF PRINTING SPS</spsUri>
  <spsRoute>ROUTE INFORMATION TO PRINTING SPS</spsRoute>
</spsPath>
<documentInformationList>
  <documentInformation>
    <documentId>DOCUMENT ID</documentId>
  </documentInformation>
</documentInformationList>
<printerProperty>
  <property>
    <propertyName>PROPERTY NAME</propertyName>
    <propVal>PROPERTY VALUE</propVal>
  </property>
</printerProperty>
```

FIG. 62B

```
<jobId>JOB ID</jobId>
```

FIG.63A

```
<reservedId> ID ISSUED ON PRINT RESERVATION</reservedId>
<userName> USER NAME / userName >
<SPSPath>
  <SPSUri> URI OF SPS ACQUIRING RESERVATION OVERVIEW</SPSUri>
  <SPSRoute> ROUTE INFORMATION TO SPS ACQUIRING RESERVATION OVERVIEW </SPSRoute>
</SPSPath>
```

FIG.63B

```
<reservedInformation>
  <ReservedInformation>
    <reservedId>RESERVATION ID</reservedId>
    <userName>USER NAME</userName>
    <reservationName>RESERVATION NAME</reservationName>
    <acceptedDate>RESERVATION ACCEPTED DATE</acceptedDate>
    <validityDate>RESERVATION VALIDITY DATE</validityDate>
    <portalSPSLocation>LOCATION OF PORTAL SPS</portalSPSLocation>
    <printSPSLocation>LOCATION OF PRINT SPS</printSPSLocation>
    <printerId>PRINTER ID</printerId>
    <printerName>PRINTER NAME</printerName>
    <printerLocation>PRINTER LOCATION</printerLocation>
    <status>PRINT RESERVATION STATUS</status>
    <portalSPSPath>
      <SPSPath>
        <SPSUri>URI OF RESERVATION ACCEPTING SPS</spsUri>
        <SPSRoute>ROUTE INFORMATION TO RESERVATION ACCEPTING SPS</spsRoute>
      </SPSPath>
    </portalSPSPath>
    <printSPSPath>
      <SPSPath>
        <SPSUri>URI OF PRINT SPS</spsUri>
        <SPSRoute>ROUTE INFORMATION OF PRINT SPS</spsRoute>
      </SPSPath>
    </printSPSPath>
    <printProperty>
      <property>
        <propName>PROPERTY NAME</propName>
        <propVal>PROPERTY VALUE</propVal>
      </property>
    </property>
  </printProperty>
</ReservedInformation>
</reservedInformation>
```

FIG.64

```
<reservedId>RESERVATION ID</reservedId>
<userName>USER NAME</userName>
<reservationName>RESERVATION NAME</reservationName>
<acceptedDate>RESERVATION ACCEPTED DATE</acceptedDate>
<validityDate>RESERVATION VALIDITY DATE</validityDate>
<portalSPSLocationName>LOCATION NAME OF RESERVATION ACCEPTING SPS</portalSPSLocationName>
<printSPSLocationName>LOCATION NAME OF PRINT SPS</printSPSLocationName>
<printerId>PRINTER ID</printerId>
<printerName>PRINTER NAME</printerName>
<printerLocaion>PRINTER LOCATION</printerLocaion>
<documentDetailList>
  <TransferDocumentInformation>
    <documentId>DOCUMENT ID</documentId>
    <documentName>DOCUMENT NAME</documentName>
    <fileInformationList>
      <fileInformation>
        <fileSize>FILE SIZE OF DOCUMENT</fileSize>
        <fileName>FILE NAME OF DOCUMENT</fileName>
        <contentType>CONTENT TYPE OF DOCUMENT</contentType>
      </fileInformation>
      <fileInformation>
        :
      </fileInformation>
    </fileInformationList>
  </fileInformationList>
</documentDetailList>
<printerProperty>
  <Property>
    <propName>PROPERTY NAME</propName>
    <propVal>PROPERTY VALUE</propVal>
  </Property>
</printerProperty>
<portalSPSPath>
  <SPSPath>
    <SPSUri>URI OF RESERVATION ACCEPTING SPS</SPSUri>
    <SPSRoute>ROUTE INFORMATION TO RESERVATION ACCEPTING SPS</SPSRoute>
  </SPSPath>
</portalSPSPath>
<printSPSPath>
  <SPSPath>
    <SPSUri>URI OF PRINT SPS</SPSUri>
    <SPSRoute>ROUTE INFORMATION TO PRINT SPS</SPSRoute>
  </SPSPath>
</printSPSPath>
```

FIG.65A

```
<relation>RELATION OF SEARCHING SPS</relation>
<SPSPath>
  <SPSUri>URI OF ACQUIRED SPS</SPSUri>
  <SPSPath>ROUTE INFORMATION OF ACQUIRED SPS</SPSPath>
</SPSPath>
```

FIG.65B

```
<spsList>
  <SPSInformationSpec>
    <locationName>LOCATION OF SPS</locationName>
    <latitude>LATITUDE</latitude>
    <longitude>LONGITUDE</longitude>
  <SPSPath>
    <SPSUri>URI OF SEARCHED SPS</SPSUri>
    <SPSRoute>ROUTE INFORMATION TO SEARCHED SPS</SPSRoute>
  </SPSPath>
  </SPSInformationSpec>
</spsList>
```

FIG. 66A

<SPSUri> URI OF SPS TO BE EXAMINED</SPSUri>
<SPSPath> ROUTE INFORMATION TO SPS TO BE EXAMINED</SPSPath>

FIG. 66B

<datum> DATUM</datum>
<unit> UNIT</unit>
<locationName> LOCATION NAME</locationName>
<latitude> LATITUDE</latitude>
<longitude> LONGITUDE</longitude>
<altitude> ALTITUDE</altitude>
<keyword> KEY WORD</keyword>
<address> ADDRESS</address>
<SPSPath>
<SPSUri> URI OF SPS</SPSUri>
<SPSRoute> ROUTE INFORMATION TO SPS</SPSRoute>
</SPSPath>

FIG.67A

```
<SPSPath>  
<SPSUri>URI OF SPS MANAGING PRINTER</SPSUri>  
<SPSRoute>ROUTE INFORMATION TO SPS MANAGING PRINTER</SPSRoute>  
</SPSPath>
```

FIG.67B

```
<printerList>  
<PrinterInformation>  
<printerId>PRINTER ID</printerId>  
<printerName>PRINTER NAME</printerName>  
<locationName>PRINTER LOCATION</locationName>  
</PrinterInformation>  
</printerList>
```


FIG.68A

```
<printerId>ID OF PRINTER TO BE ACQUIRED</printerId>  
<SPSPath>  
  <SPSUri>URI OF SPS MANAGING PRINTER TO BE ACQUIRED</SPSUri>  
  <SPSRoute>ROUTE INFORMATION TO SPS MANAGING PRINTER TO BE ACQUIRED</SPSRoute>  
</SPSPath>
```

FIG.68B

```
<status>PRINTER STATUS</status>  
<propertyList>  
  <PrinterProperty>  
    <name>PROPERTY NAME</name>  
    <value>PROPERTY VALUE</value>  
  </PrinterProperty>  
</propertyList>
```

FIG.69

<SPSRoute>ROUTE INFORMATION FROM TOP LEVEL SPS</SPSRoute>

FIG.70

RESERVATION INFORMATION LIST
CONTAINS RESERVATION INFORMATION LIST

FIG.71

reservedId: RESERVATION ID
userId: USER ID (OR USER NAME)
directory: DIRECTORY IN WHICH RESERVATION DETAILED INFORMATION IS STORED

FIG.72

reservedId=RESERVATION ID
userName=USER ID
reserveName=RESERVATION NAME
acceptedDate=RESERVATION ACCEPTED DATE
validityDate=RESERVATION VALIDITY DATE
portalServiceUri=SERVICE URI OF PORTAL SPS
portalRoute=ROUTE INFORMATION OF PORTAL SPS
portalLocation=LOCATION OF PORTAL SPS
printServiceUri=SERVICE URI OF PRINT SPS
printRoute=ROUTE INFORMATION TO PRINT SPS
printLocation=LOCATION TO PRINT SPS
printerId=PRINTER ID
printerName=PRINTER NAME
printerLocation=PRINTER LOCATION
status=STATUS

FIG.73

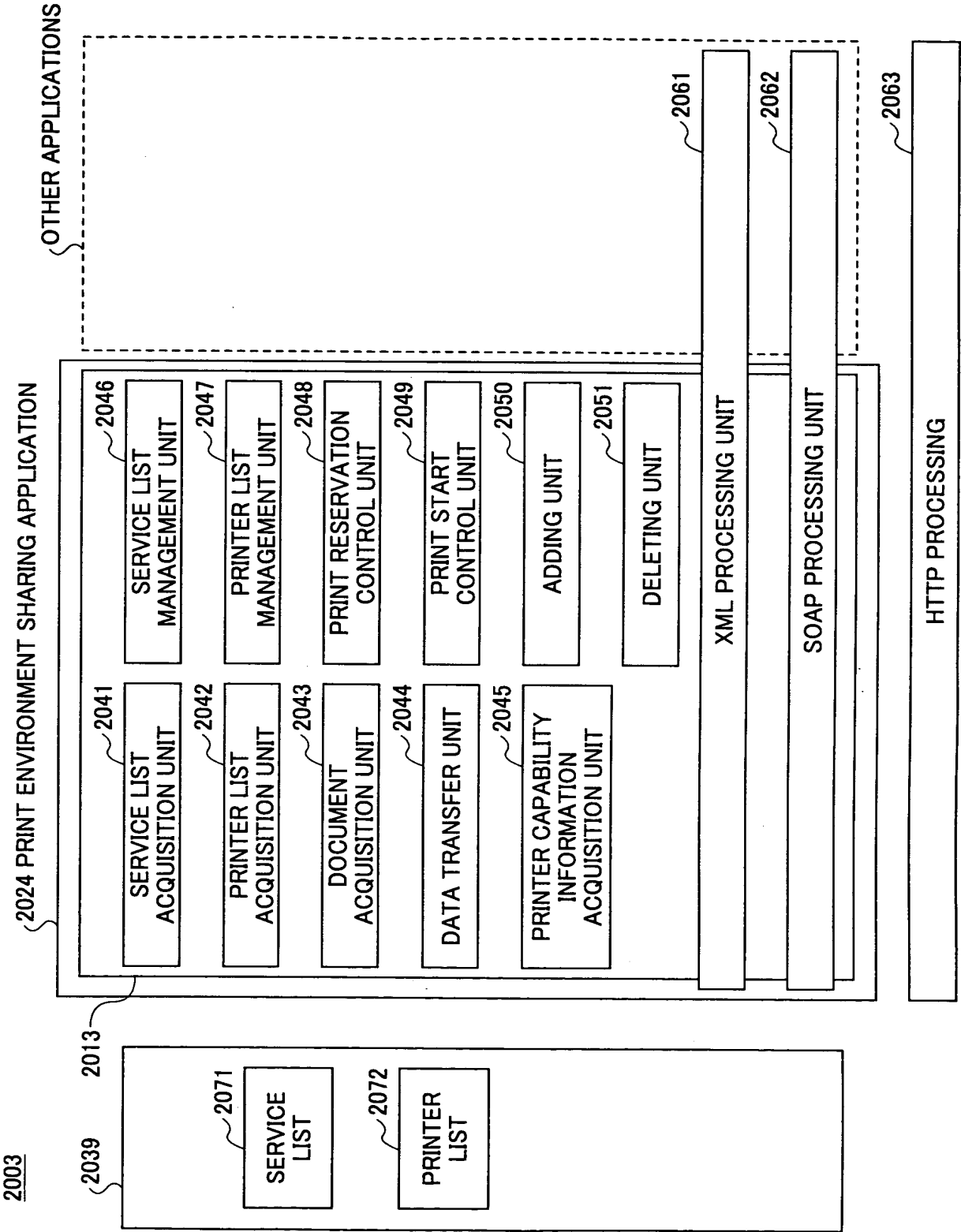


FIG.74

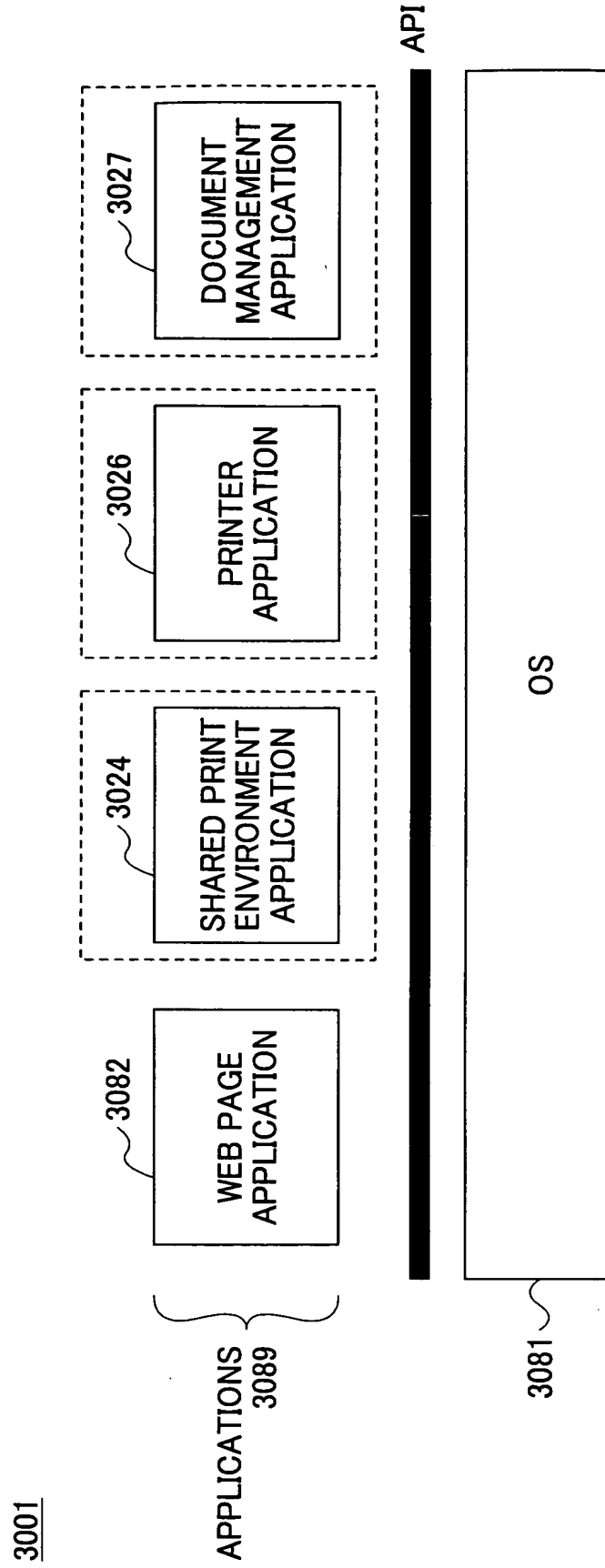


FIG.75

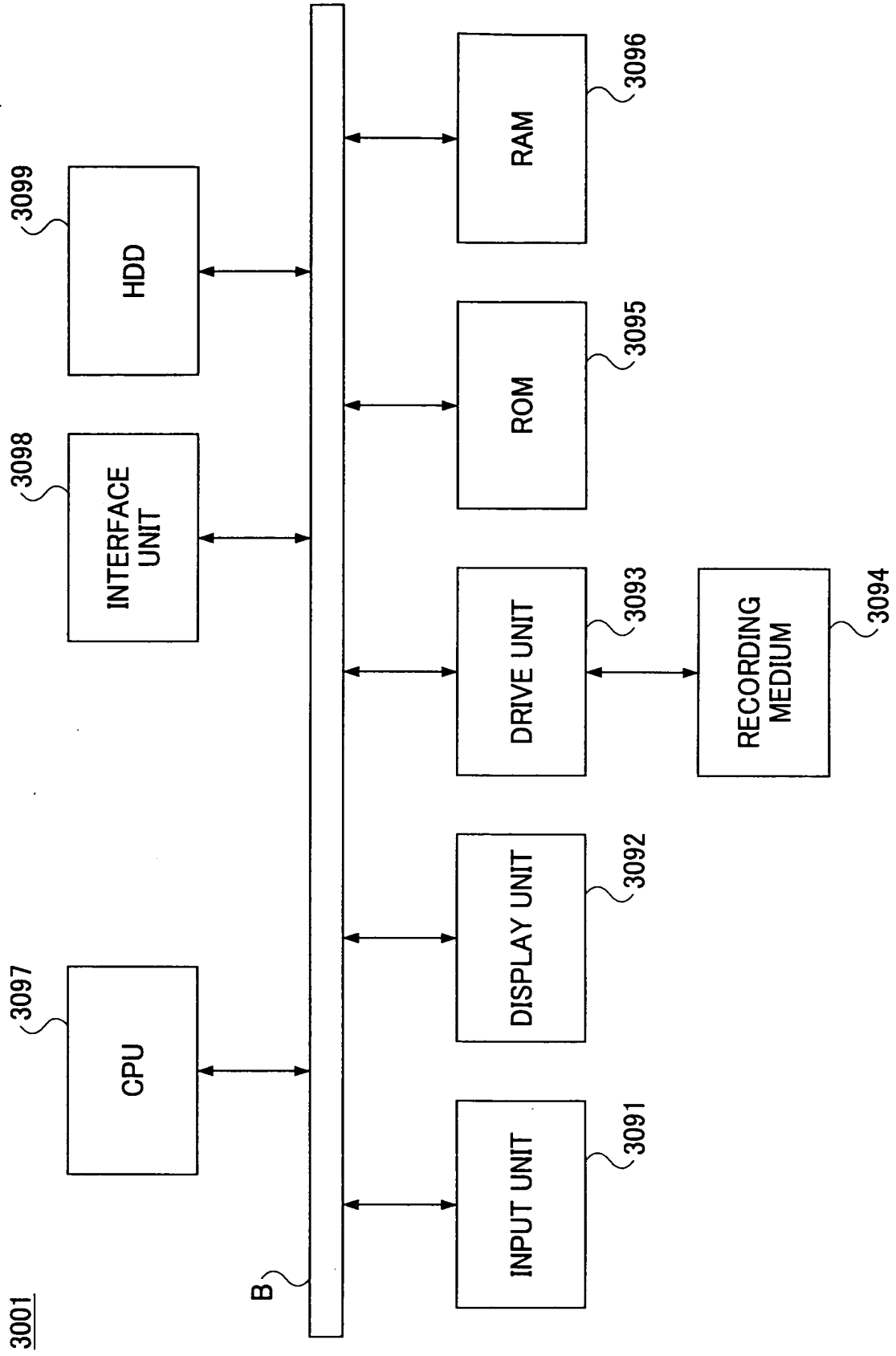


FIG.76

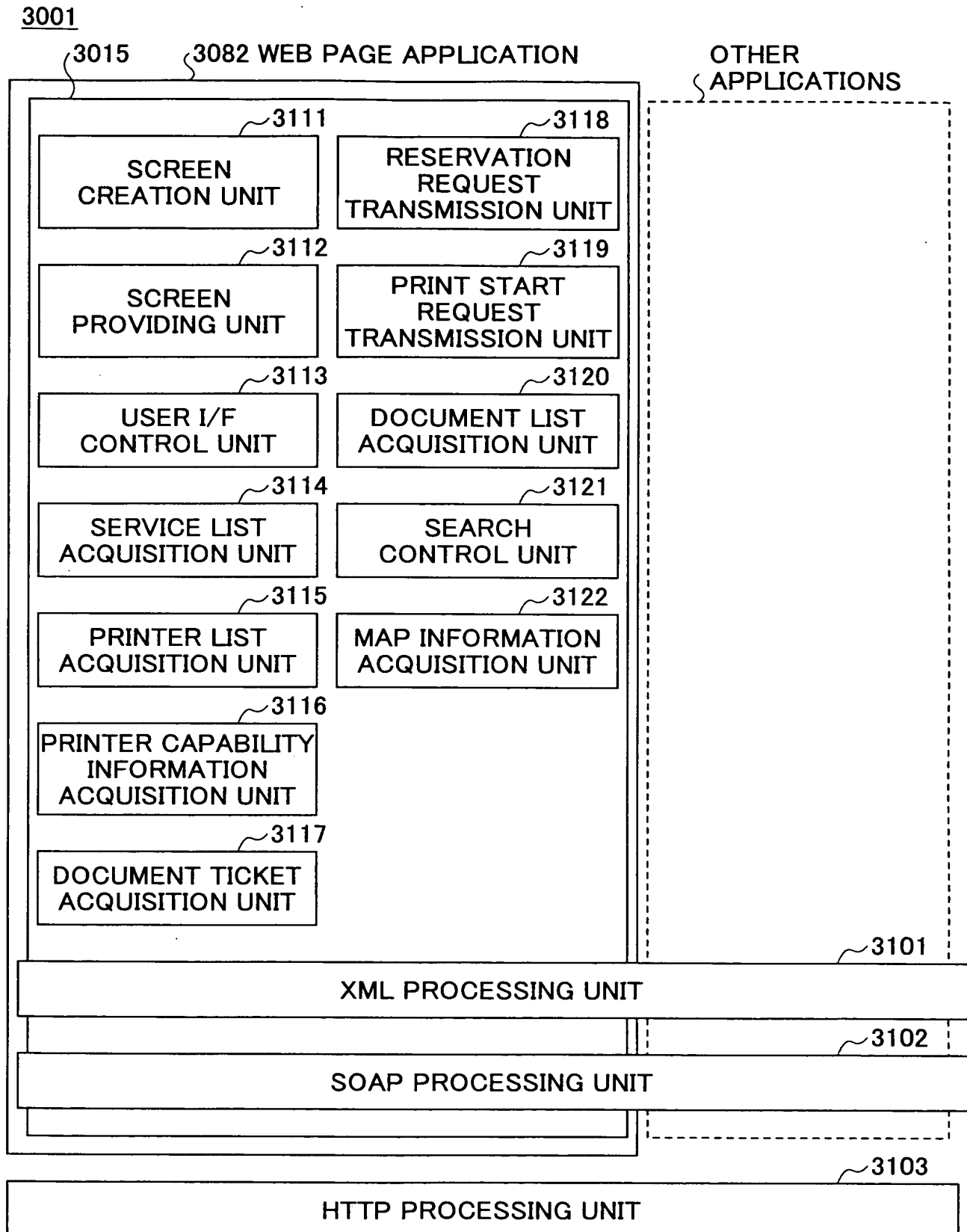


FIG.77

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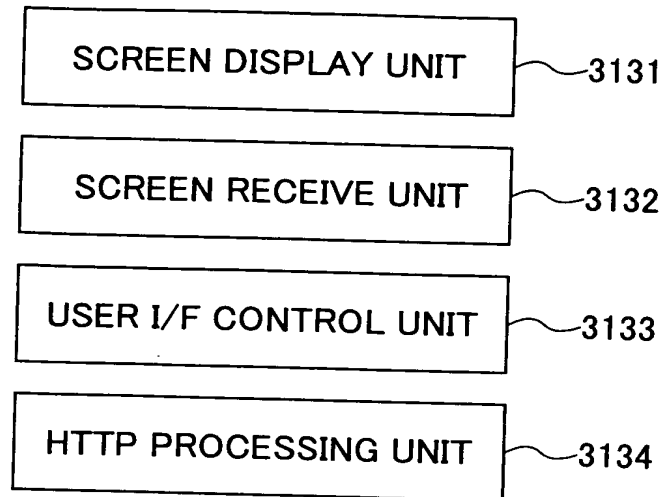


FIG.78A

REPOSITORY SERVICE SELECTION
<div><input checked="" type="radio"/> REPOSITORY SERVICE 1</div> <div><input type="radio"/> REPOSITORY SERVICE 2</div> <div><input type="radio"/> REPOSITORY SERVICE 3</div>
<div>NEXT</div>

FIG.78B

DOCUMENT SELECTION				
NAME	NUMBER OF SECTIONS	SIZE	REGISTRATION DATE & TIME	UPDATE DATE & TIME
<input type="checkbox"/> DOCUMENT 1	OO	34KB	~	~
<input checked="" type="checkbox"/> DOCUMENT 2	x x	71KB	~	~
:	:	:	:	:

PREVIOUS

REGISTER
IN CART

VIEW CART
CONTENT

NEXT

OK

FIG.78C

CART LIST				
NAME	NUMBER OF SECTIONS	SIZE	REGISTRATION DATE & TIME	UPDATE DATA & TIME
<input type="checkbox"/> DOCUMENT 20	<input type="checkbox"/> <input type="checkbox"/>	70KB	~	~
<input type="checkbox"/> DOCUMENT 21	<input type="checkbox"/> <input type="checkbox"/>	29KB	~	~
<input checked="" type="checkbox"/> DOCUMENT 2	x x	71KB	~	~
:	:	:	:	:

PREVIOUS

OK

REMOVE FROM CART

CLEAR CART

FIG.78D

DOCUMENT SELECTION CONFIRMATION
Document 2 is OK?
<div>RESERVE PRINT</div> <div>SELECT PRINT LOCATION</div> <div>RETURN</div>

FIG.78E

PRINT RESERVATION CONFIRMATION	
RESERVATION NAME: RESERVATION 1 (RESERVATION NUMBER: 1234567) PRINTED DOCUMENT: DOCUMENT 2 RESERVATION DATE & TIME : 2002.4.1.10:10 RESERVATION VALID DATE & TIME : 2002.4.3.23:59 RESERVATION LOCATION : A-1-1 PRINT LOCATION: UNDESIGNATED PRINTER: UNDESIGNATED PRINT CONDITION: UNDESIGNATED	
<input type="button" value="RESERVE"/>	<input type="button" value="RETURN"/>

FIG.79

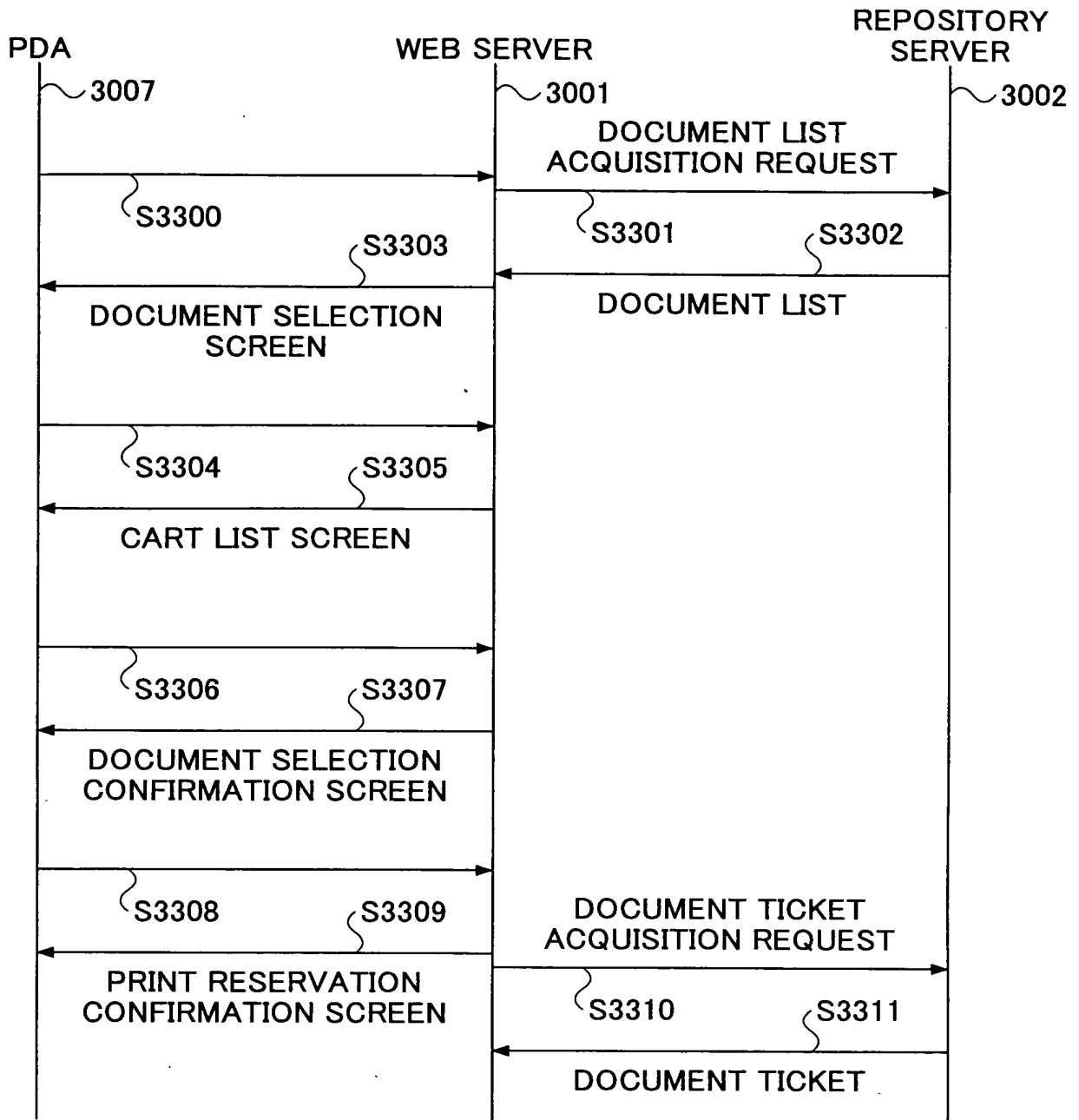


FIG.80

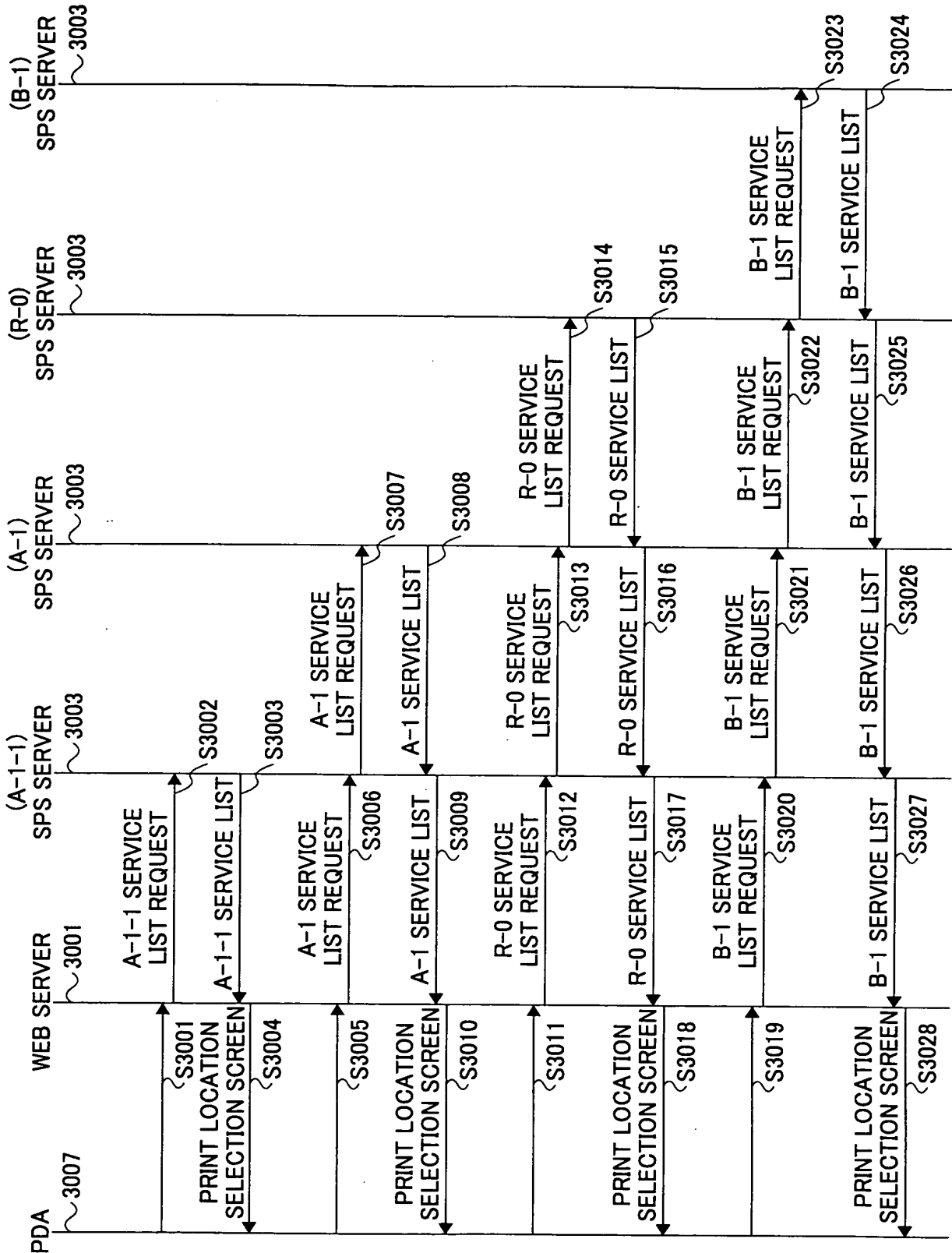


FIG.81

```

<HTML>
<HEAD>
<DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" http://www.w3.org/TR/html4/strict.dtd>
<META http-equiv="Content-Type" content="text/html; charset=UTF-8">
<TITLE>PRINT LOCATION SELECTION RESULT DISPLAY</TITLE>
</HEAD>

<BODY>
<TABLE border="0">
  <CAPTION><FONT COLOR="Blue"> PRINT LOCATION SELECTION RESULT DISPLAY </FONT></CAPTION>
  <TR><TH colspan="10">R-0
  <TR><TH colspan="10">|
  <TR><TH colspan="10">&#160 &#160 &#160 &#160 &#160 &#160 &#160 &#160 &#160 &#160 -----
  <TR><TH colspan="4">| <TH><TH><TH><TH><TH colspan="3">|
  <TR><TH colspan="4">A-1<TH><TH><TH><TH colspan="3">B-1
  <TR><TH colspan="4">| <TH><TH><TH><TH colspan="3">|
  <TR><TH colspan="4">&#160 &#160 &#160 &#160 &#160 &#160 &#160 &#160 &#160 &#160 -----
    <TH><TH><TH><TH colspan="3">-----
  <TR><TH colspan="3">| <TH>| <TH><TH><TH><TH>| <TH><TH>|
  <TR><TH colspan="3">A-1-1<TH>A-1-2<TH><TH><TH>B-1-1<TH><TH>B-1-2
  <TR><TH colspan="3">|
  <TR><TH colspan="3">-----
  <TR><TH>| <TH><TH>|
  <TR><TH>A-1-1-1<TH><TH>A-1-1-2
</TABLE>

<FORM>
<INPUT type="button" value="RETURN" onClick="history.back()">
</FORM>
</BODY>
</HTML>

```

FIG.82

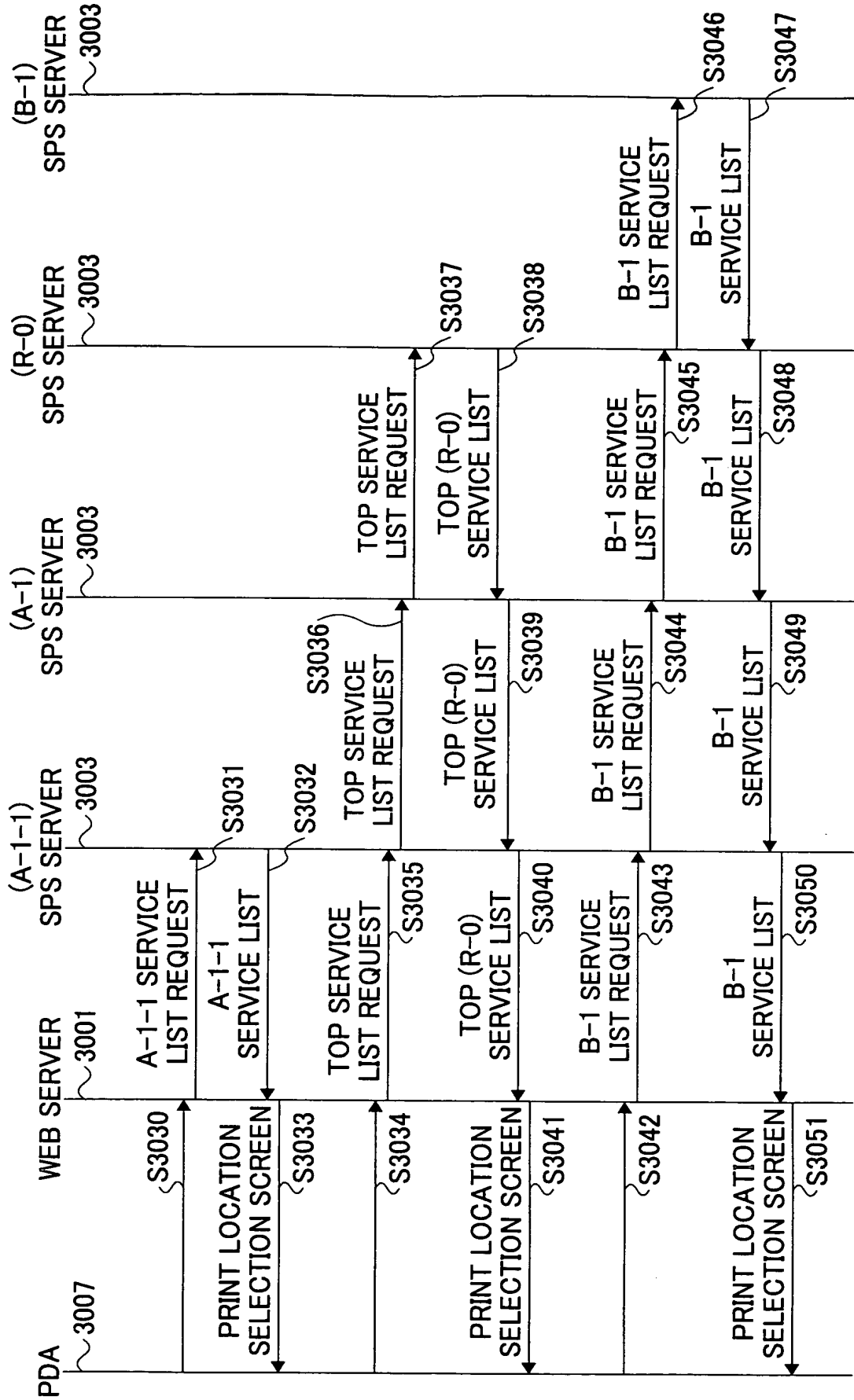


FIG.83

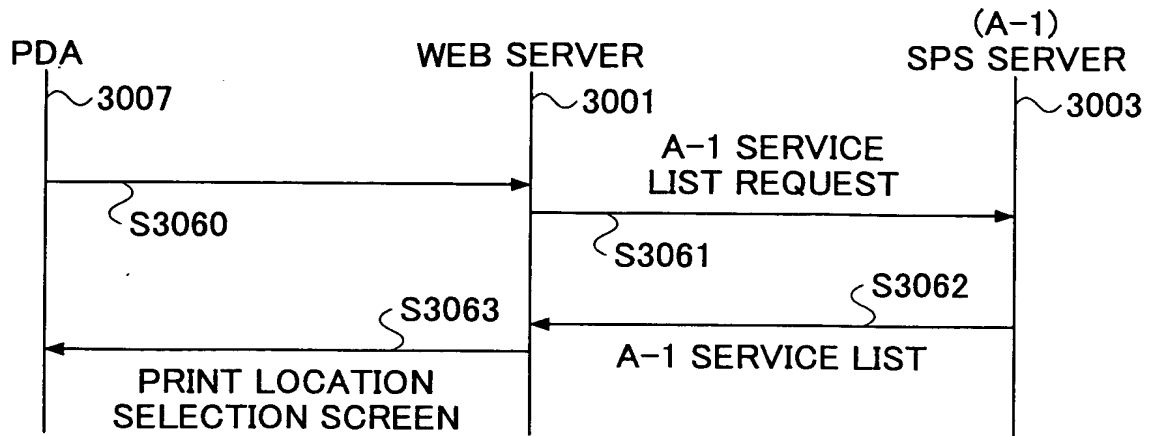


FIG.84

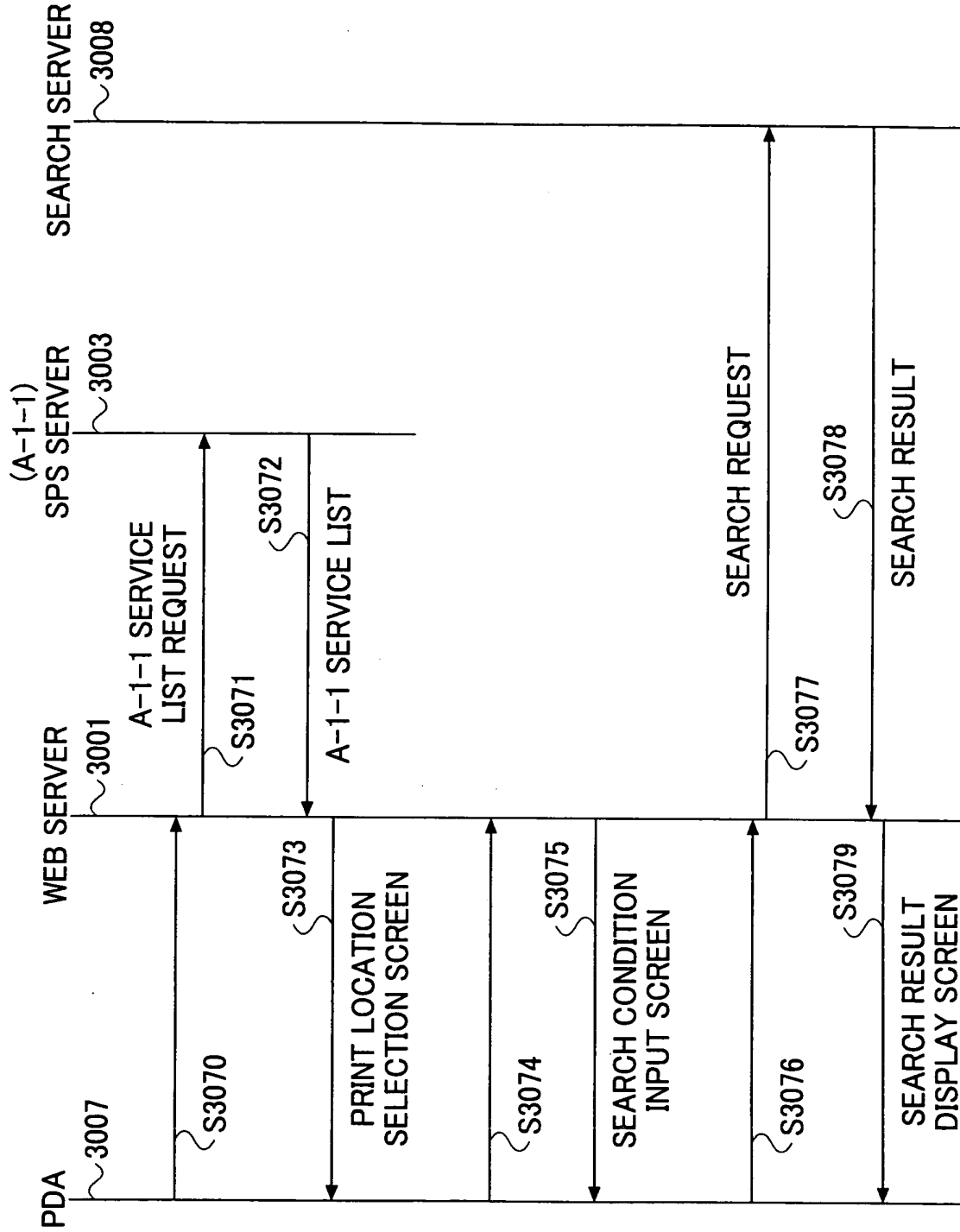
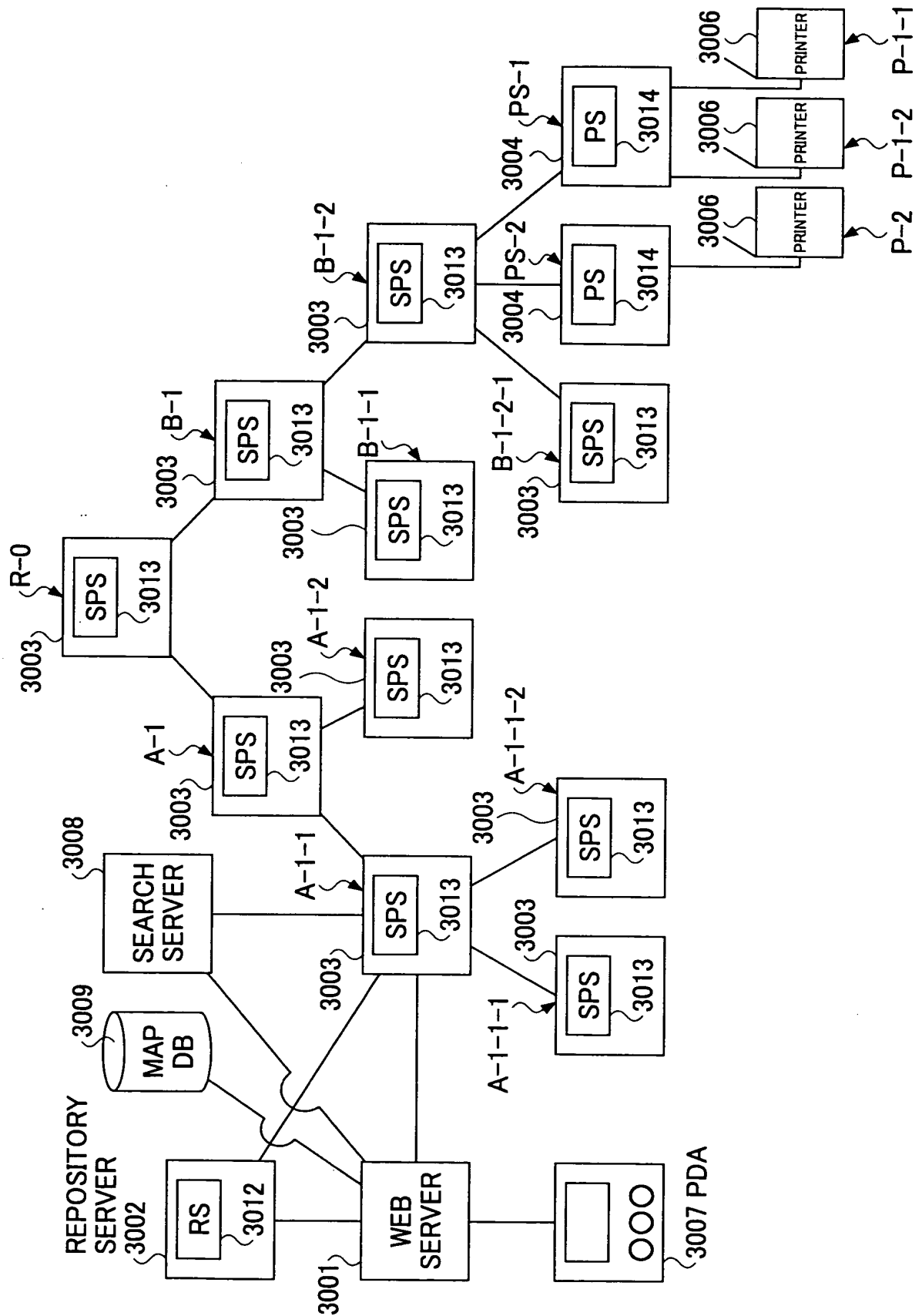


FIG. 85



PRINT LOCATION SELECTION	
<div>A-1-1</div>	
<input type="radio"/> A-1-1-1	
<input type="radio"/> A-1-1-2	
<input checked="" type="radio"/> A-1	
<div>NEXT</div>	<div>OK</div>

FIG.86A

PRINT LOCATION SELECTION	
<div>A-1</div>	
<input type="radio"/> A-1-1	
<input checked="" type="radio"/> A-1-2	
<input type="radio"/> R-0	
<div>NEXT</div>	<div>OK</div>
<div>RETURN</div>	<div>DISPLAY INFORMATION</div>

FIG.86B

INFORMATION DISPLAY	
A-1-2	
LOCATION: KOISHIKAWA OFFICE 8F SOUTH	
ADDRESS: KOISHIKAWA BUNKYU-KU TOKYO	
ACCESS : ● 5 MINUTES' WALK FROM KOURAKUEN STATION OF MARUNOUCHI LINE & NAMBOKU LINE ● 10 MINUTES' WALK KASUGA STATION OF MITA LINE & OOEDO LINE ● 10 MINUTES' WALK SUIDOUBASHI STATION OF SOUBU LINE	
<div>DISPLAY MAP</div>	<div>RETURN</div>

FIG.86C

FIG.86D

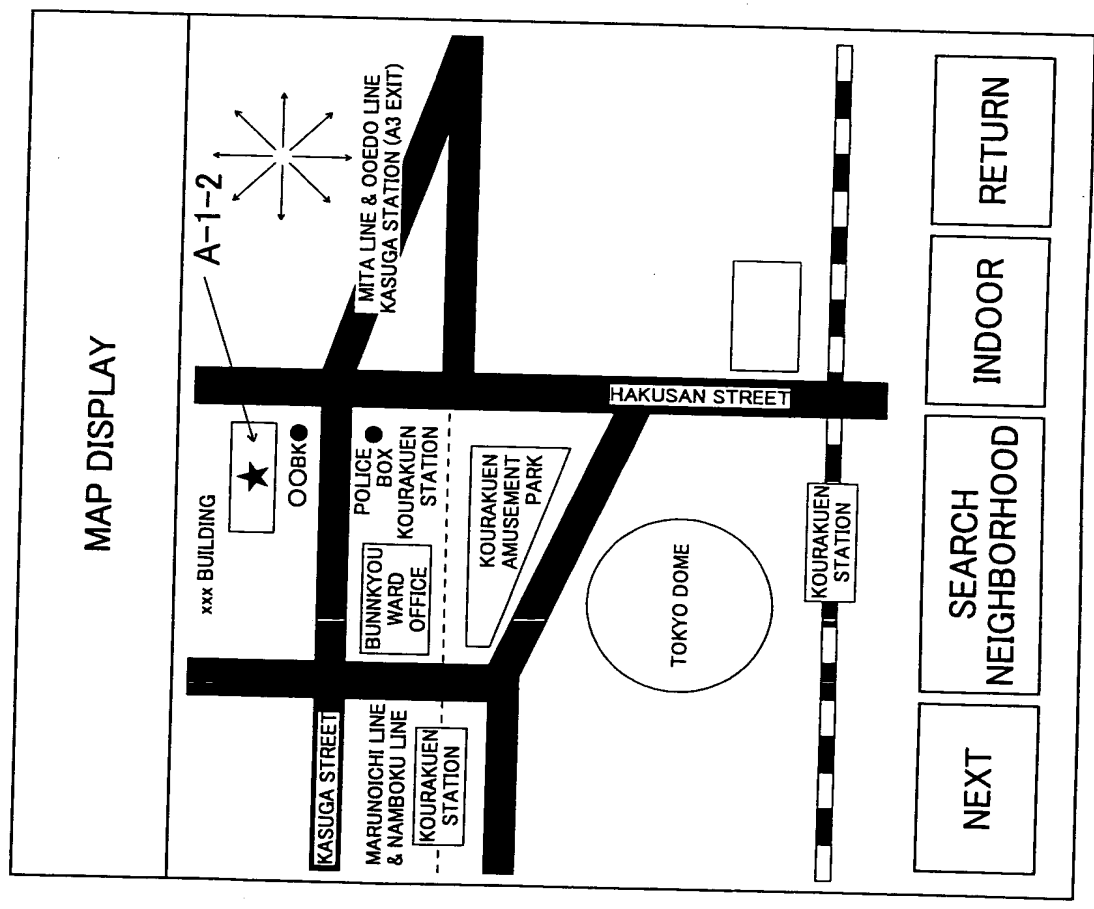


FIG.86E

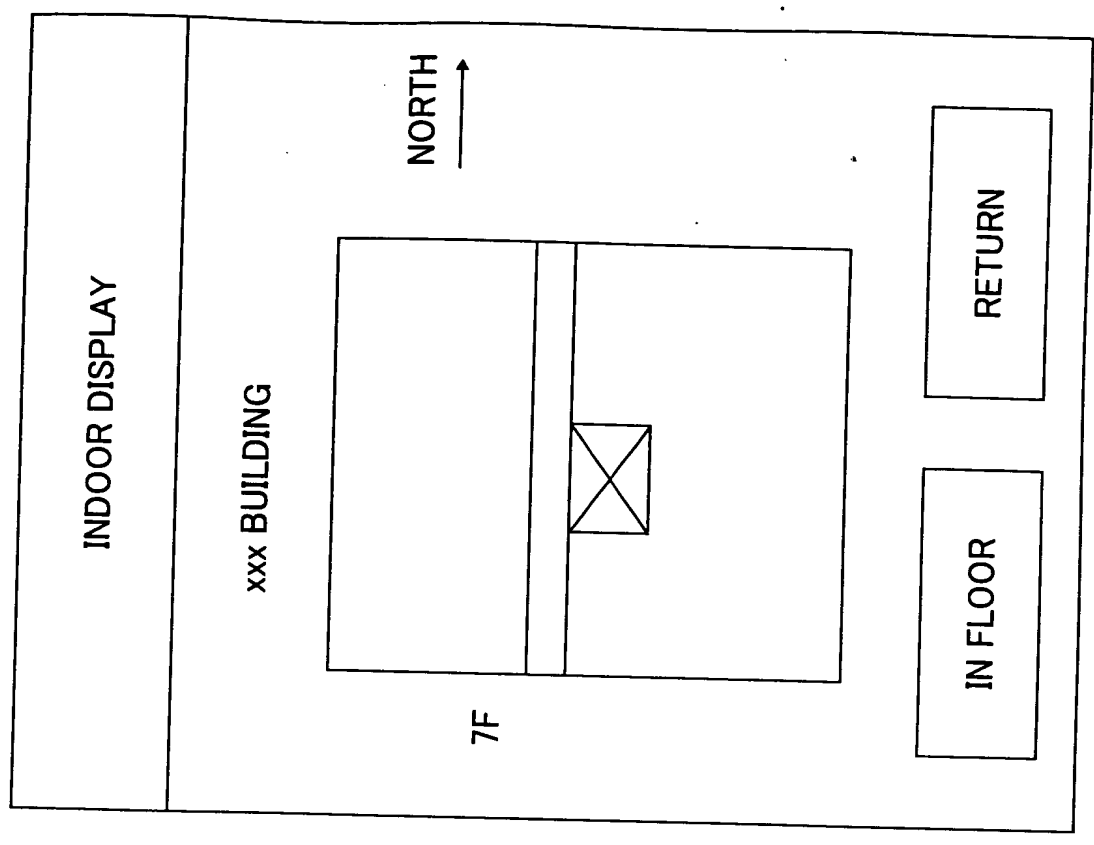


FIG.86G

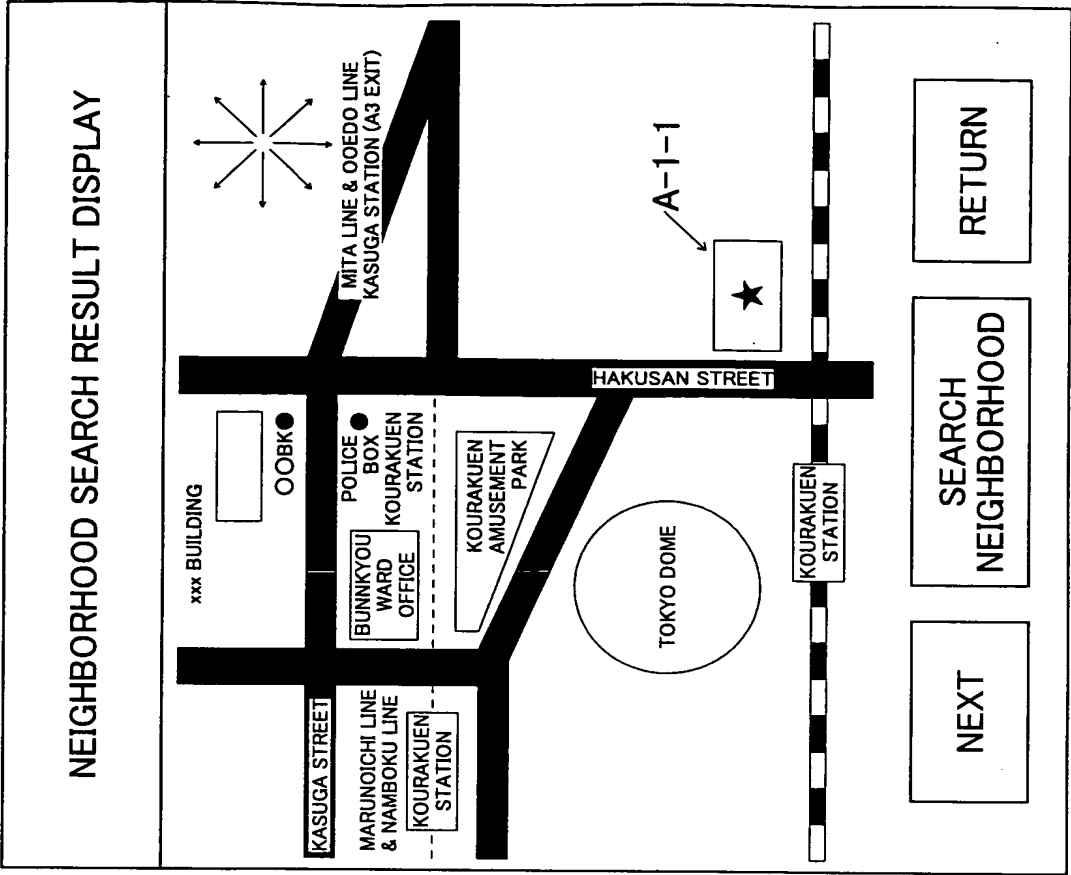


FIG.86F

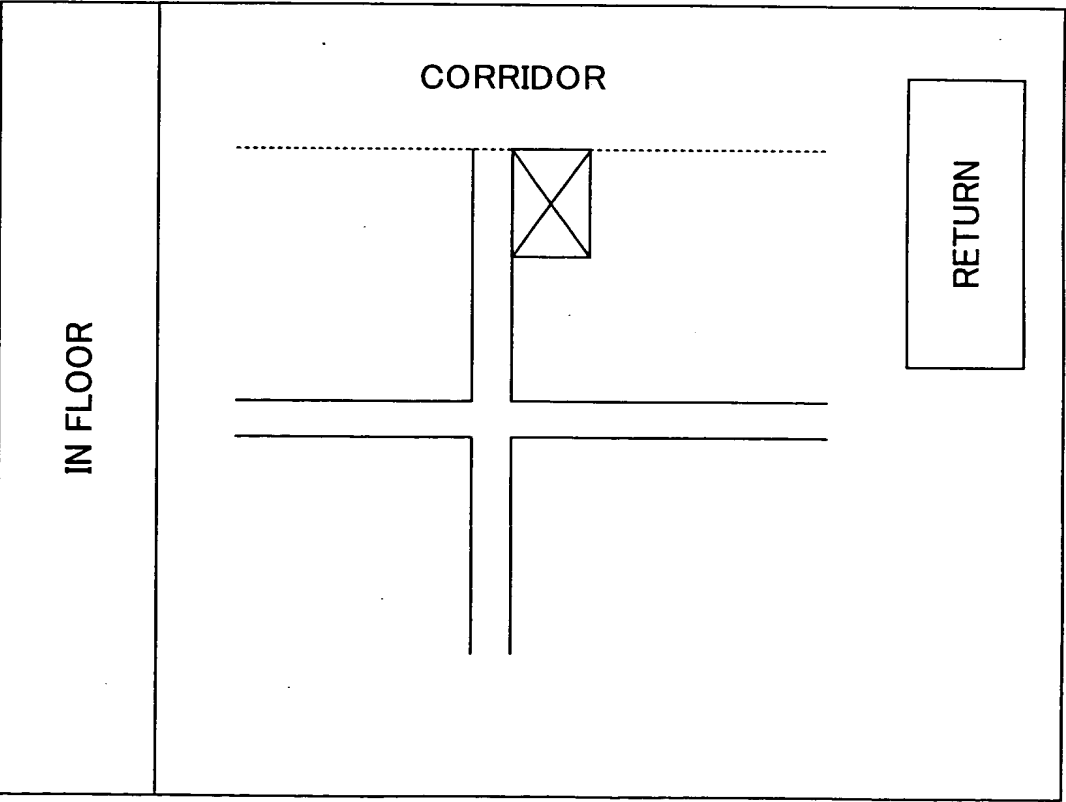
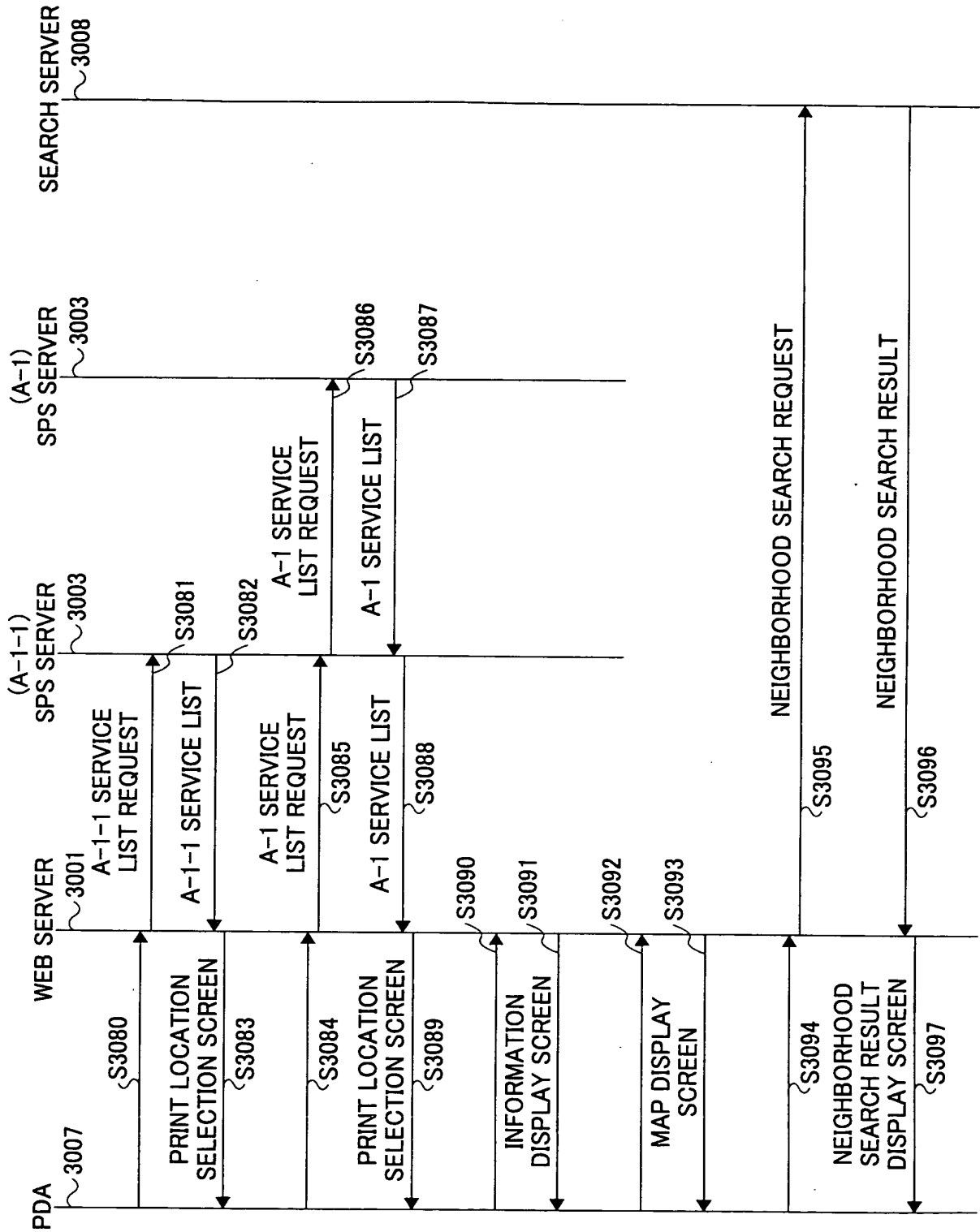


FIG.87



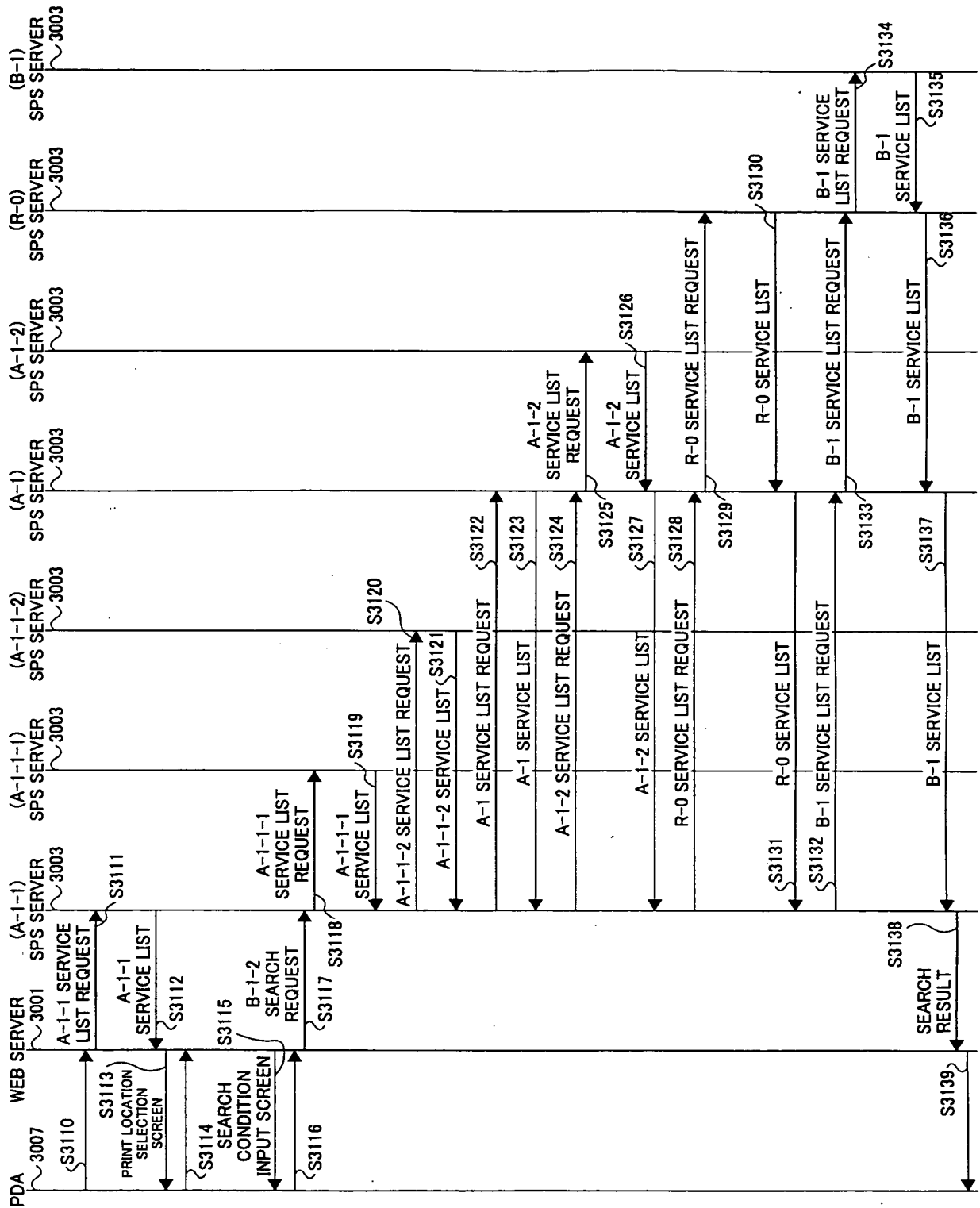


FIG.89

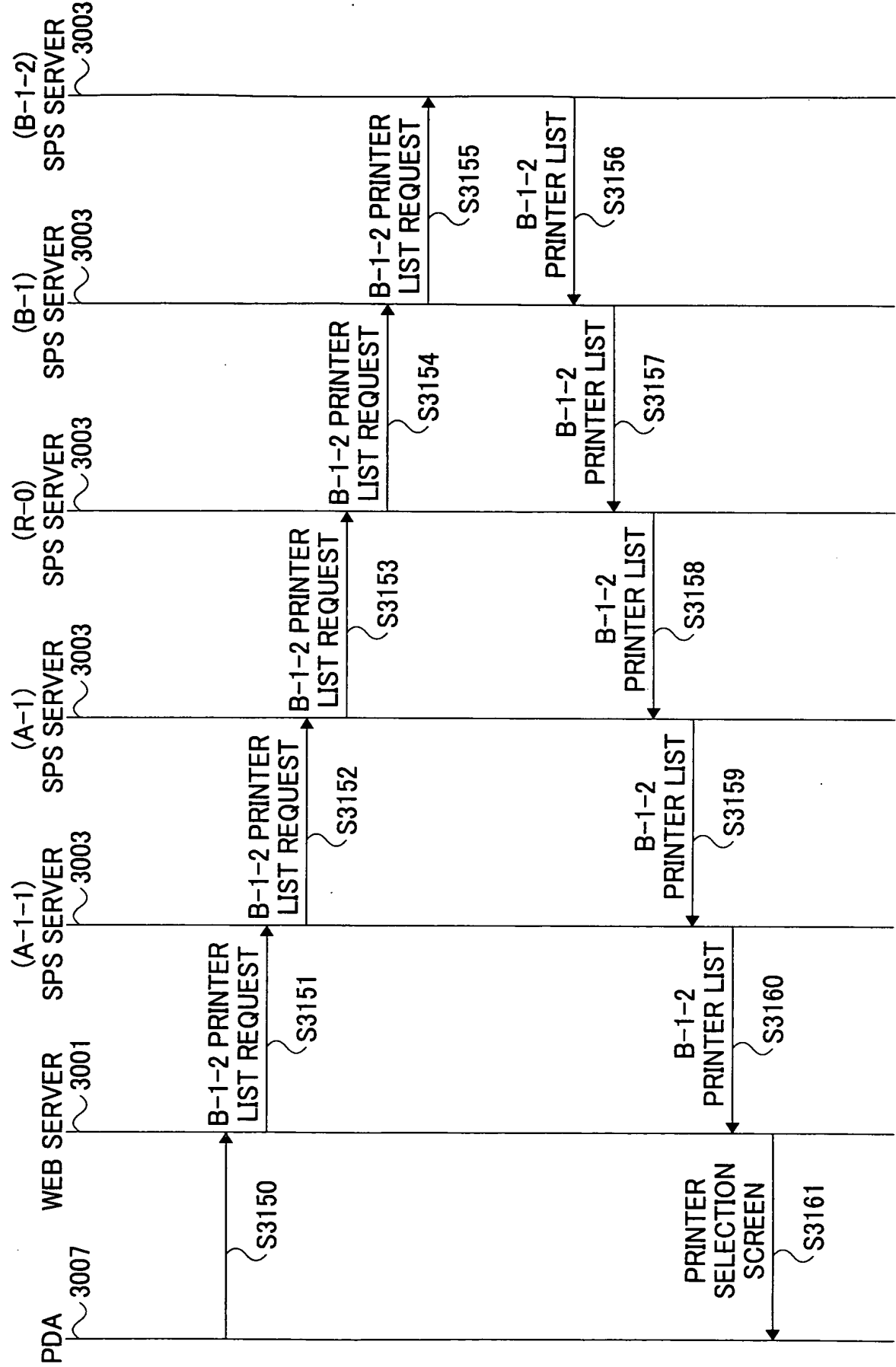


FIG.90

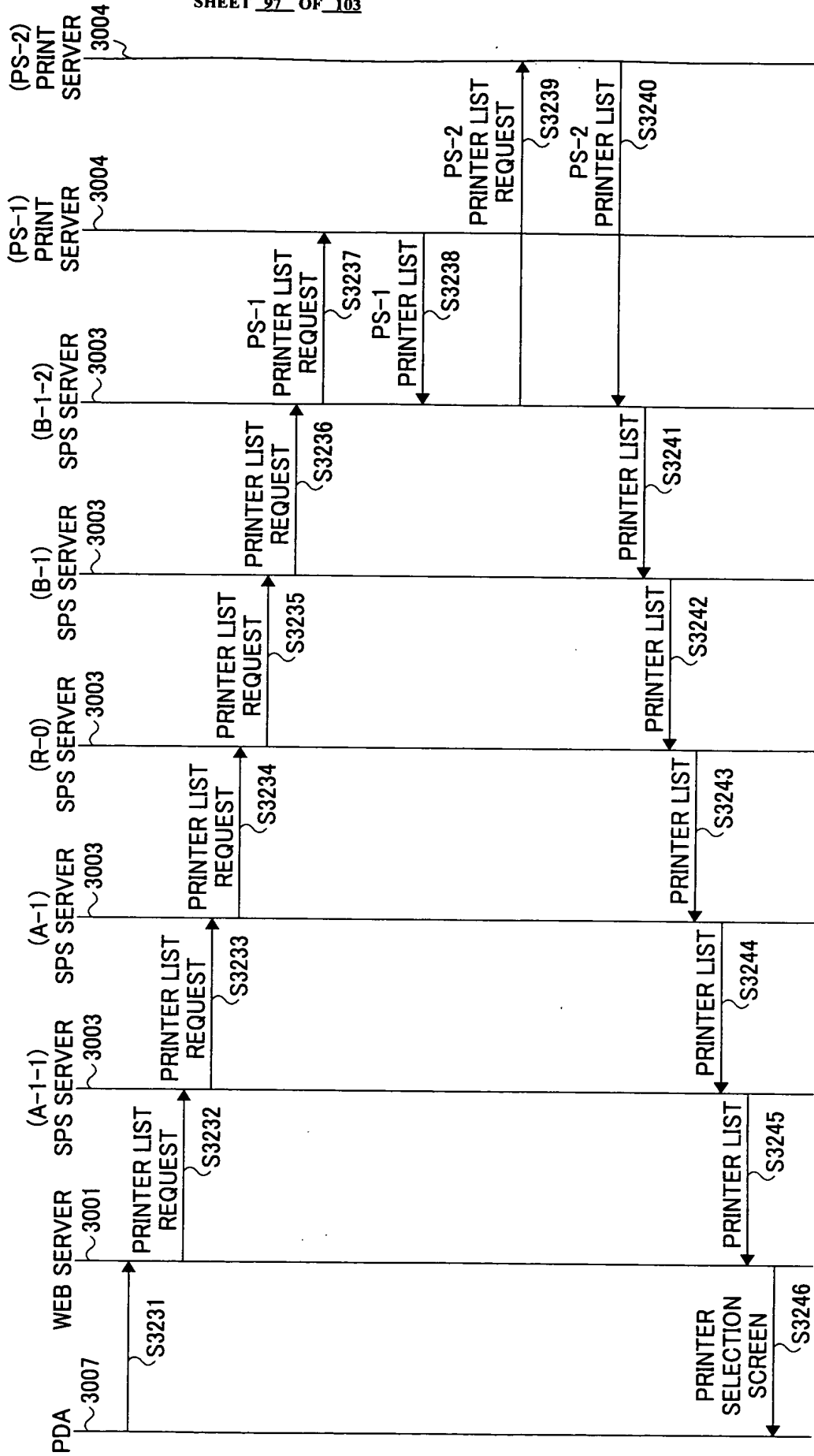


FIG.91

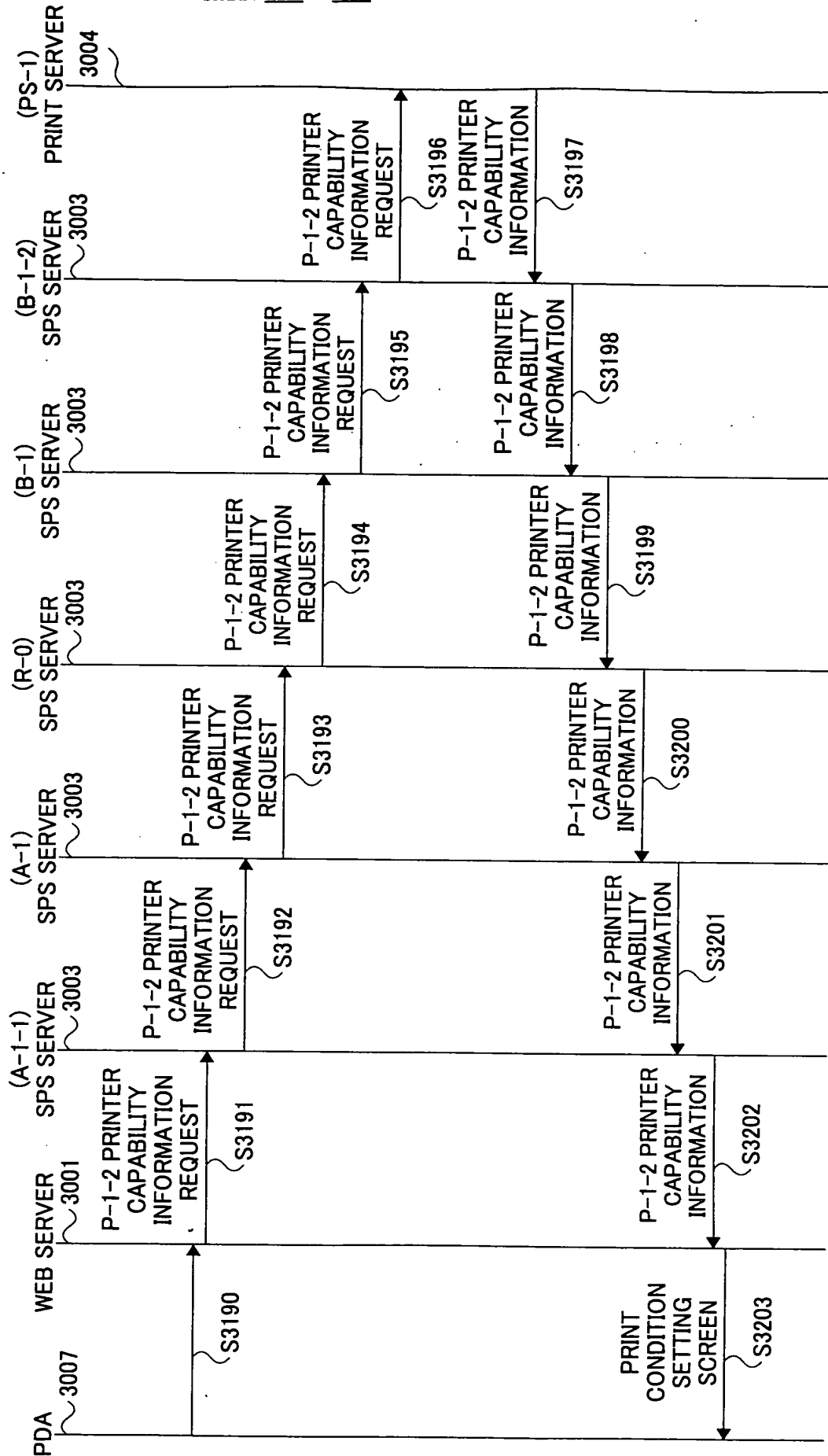


FIG.92

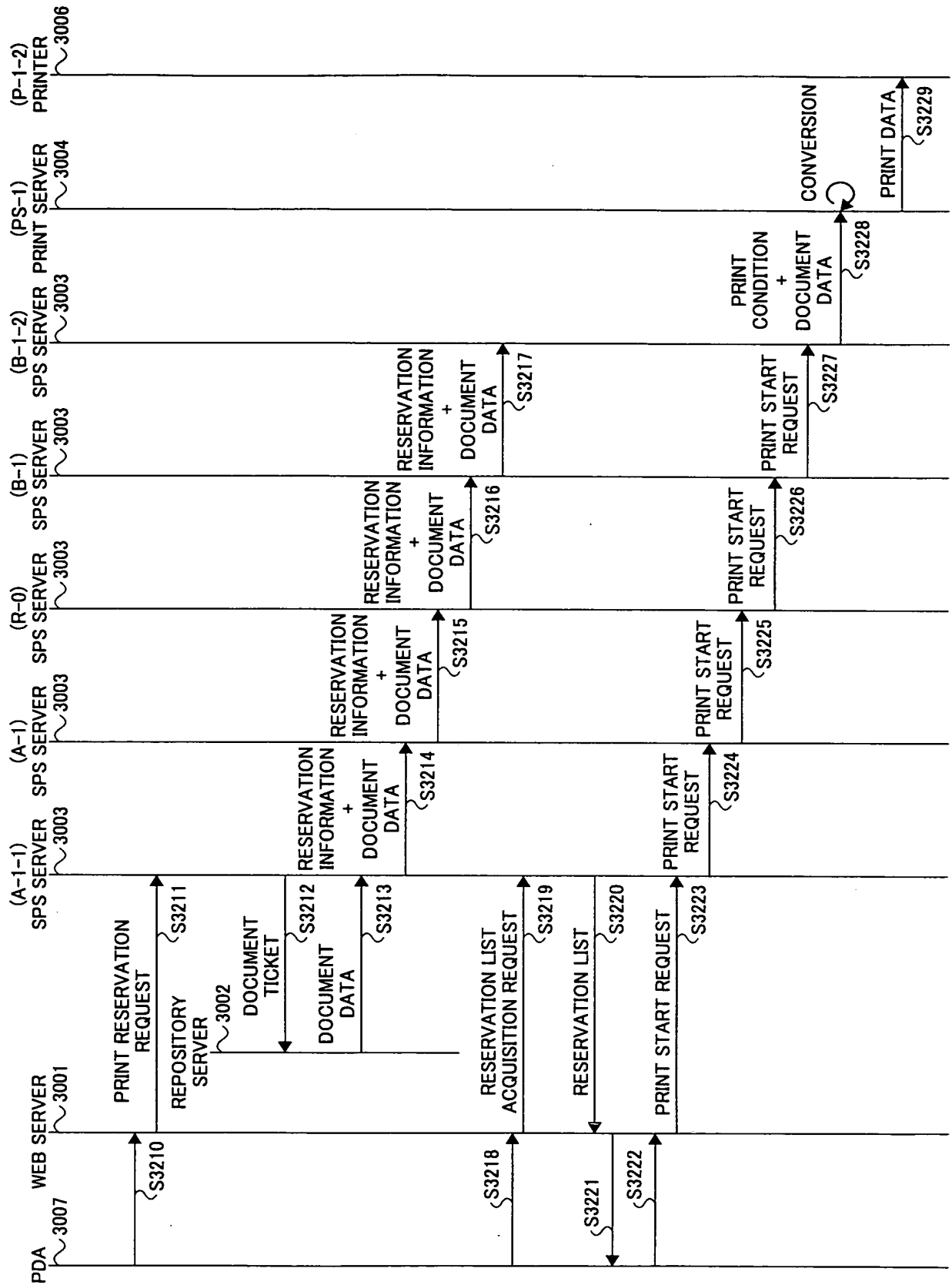


FIG.93

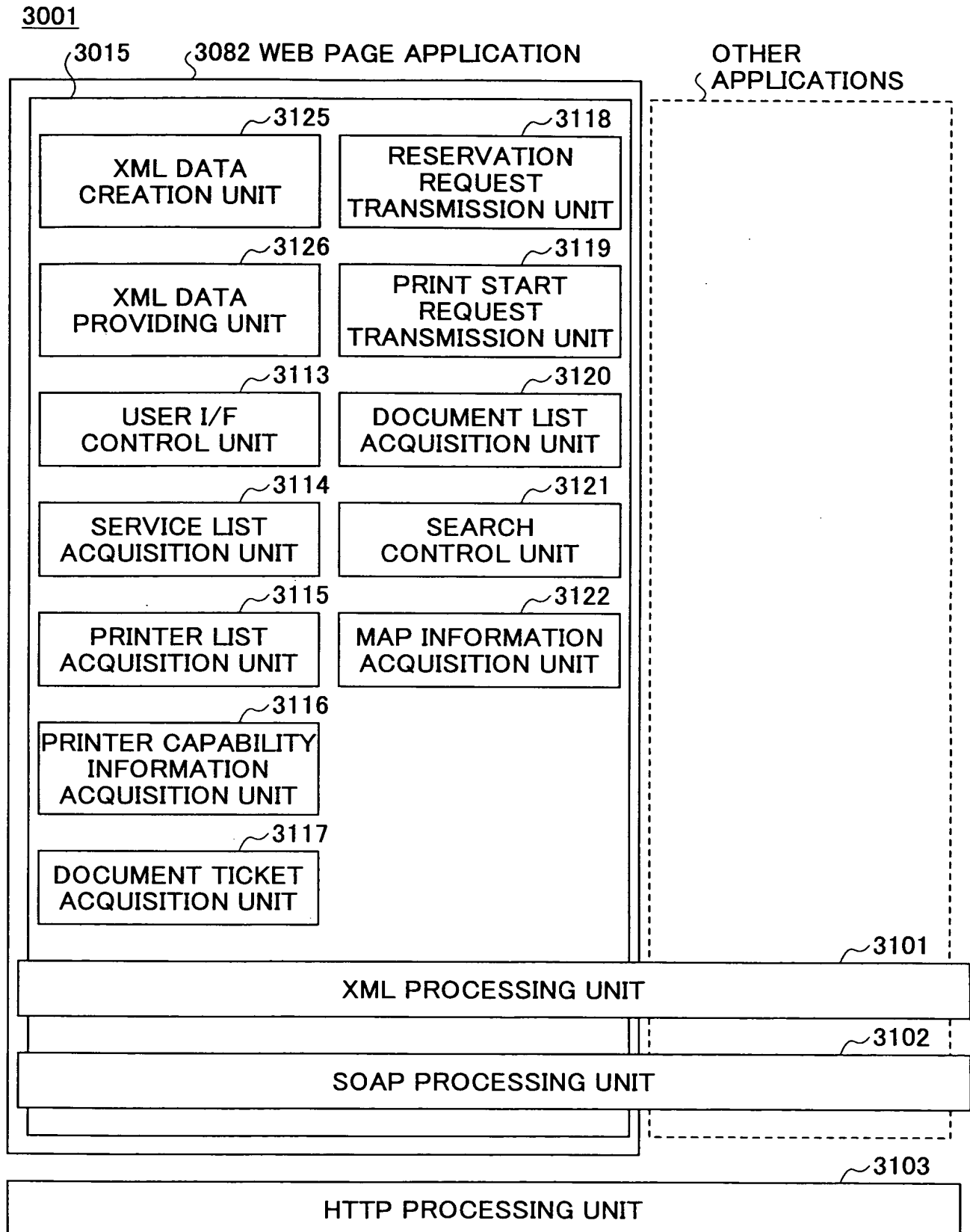


FIG.94

3007

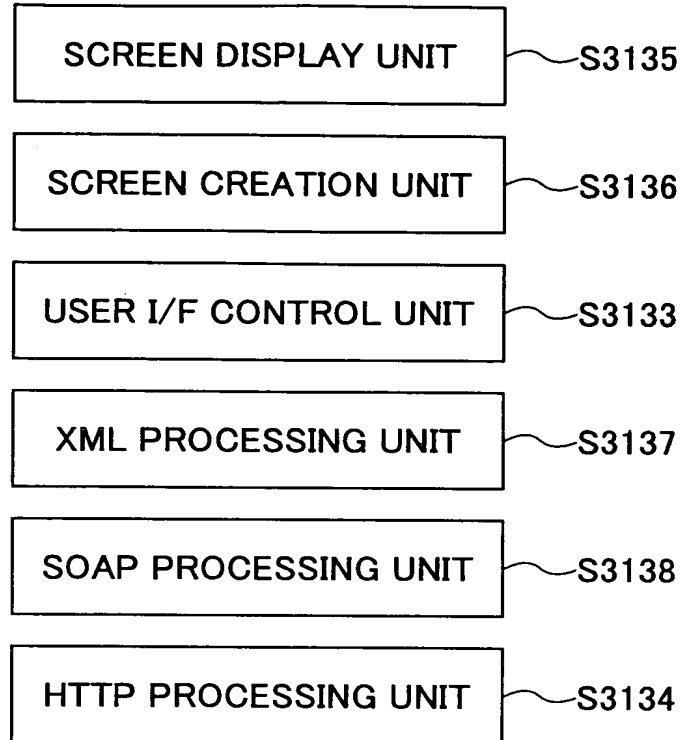


FIG.95

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<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<SPS family map>
  <top> R-0 </top>
  <route group="R-0">
    <parent> R-0 </parent>
    <child> A-1 </child>
    <child> B-1 </child>
  </route>
  <route group="A-1">
    <parent> A-1 </parent>
    <brother> B-1 </brother>
    <child> A-1-1 </child>
    <child> A-1-2 </child>
  </route>
  <route group="B-1">
    <parent> B-1 </parent>
    <brother> A-1 </brother>
    <child> B-1-1 </child>
    <child> B-1-2 </child>
  </route>
  <route group="A-1-1">
    <parent> A-1-1 </parent>
    <brother> A-1-2 </brother>
    <child> A-1-1-1 </child>
    <child> A-1-1-2 </child>
  </route>
  <route group="A-1-2">
    <parent> A-1-2 </parent>
    <brother> A-1-1 </brother>
  </route>
</SPS family map>
```

